

EN

Threads | Stabilisers | Accessories



PRODUCT RANGE 2025

Embroidery threads and many other supplies for the industry

MADEIRA



madeira.com



Your global partner for one-stop embroidery supplies

As a renowned manufacturer of premium-quality embroidery threads for over 100 years, today we are your global partner for a comprehensive range of embroidery materials.

With Madeira Green, we are delighted to introduce a portfolio of new eco-friendly products and services to our customers. Discover the Madeira Green branded products and information in this catalogue and let's make embroidery more sustainable together.

Our viscose, polyester, wool blends and technical threads are offered in a large variety of colours, weights and make-ups. Bobbin threads, the right needles for every thread, backings, toppings, speciality materials, accessories, embroidery support and training complete our range and make your life easier as we aim to sustainably offer you everything you need for embroidery.

With nine subsidiaries and over 50 partners worldwide, today we successfully supply our products and services in over 100 countries.



Dear customer,

This product catalogue shows you most products or product categories available to order from our sales partners, subsidiaries or webshops around the world. As our range is very large, we kindly ask for understanding that we cannot show every product in detail.

If you are missing something or a product is not available locally, please contact your local reseller or us directly for support.

Get the most out of your embroidery

For us, embroidery is the most valuable form of embellishment or personalisation.

That's why we have not only decided to be a specialist for embroidery supplies, but we also feel deeply committed to our customers' success.

From the careful selection of raw materials and environmentally friendly production processes to intense quality controls, we make sure that all products comply with one goal: providing you with the necessary supplies for outstanding embroidery. And as we know that the material is not everything, we also support you with training, advice and service.

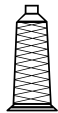
Of course, all our products are compliant with many international regulations. So whatever industry sector you're working for, check our product range for compliance with special requirements and certifications such as fire retardancy or fire resistance, industrial washing or OEKO-TEX® STANDARD 100.

How to quickly find what you're looking for



Explanation of the symbols used

PRODUCT SPECS



Make-up in metres or grams
In this catalogue the contents of the packaging are given. The sales units can differ.



Thread thickness



Needle size recommendation



Number of colours



Cut-away backings



Tear-away backings



Underthreads



Additional information

SUSTAINABILITY



Label for products and processes with a high focus on sustainability



Botanical origin / products made from renewable resources



Products made from recycled materials



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Backings, Accessories & Service

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MADEIRA embroidery threads & thread families

What makes Madeira so special

State-of-the-art products for highest machining performance

Most of our threads have:



Scannable coding for automated production



Cross winding on conical spool for optimum yarn flow



Snap for easy attachment of the loose thread end



Shiny and matte polyester threads

POLYNEON

POLYNEON
green

FROSTED MATT

Rayon viscose threads

CLASSIC

Premium lyocell threads

SENSA
green

Wool and cotton-blend threads

BURMILANA

BURMILANA CO

Speciality threads

LONA

MONOLON

REFLECT

Technical threads

HC

FIRE FIGHTER

POLYNEON FR

Metallic threads

CR Metallic

FS

SUPERTWIST

Thread is much more than simply yarn. It's a passion for excellence, shine, look, feel, touch and, of course, what it makes out of the embroidered garment. That's why we take special care in the development and selection of all our threads, in terms of the utmost colour consistency from dye lot to dye lot, soft touch thanks to low thread tension settings while embroidering, and a great choice of types, weights and colours.



Rayon viscose threads

Natural silk gloss and maximum flexibility in three thread weights. Viscose rayon has a similar structure to cotton and offers a feel and texture resembling those of natural fibres. It provides a uniform and even embroidery appearance.



CLASSIC

- high colour fastness to washing, rubbing and perspiration
- consistent colours, look and feel over all thread weights
- the soft thread structure and low thread tension of Classic threads avoid looping
- vivid shine, depending on incident light



CLASSIC 40

100 % viscose [filament]



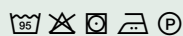
Art. No. 910
10 x 5000 m



Art. No. 911
10 x 1000 m



387 single colours
19 ombré colours
6 multicolours
10 astro-colour



dtex 135 x 2
den 120 x 2



65/9 - 75/11



STANDARD
100
21.0.63511
Hohenstein

CLASSIC 30

100 % viscose [filament]



Art. No. 921
10 x 3000 m



125 single colours



dtex 200 x 2
den 180 x 2



75/11



STANDARD
100
94.0.6007
Hohenstein

CLASSIC 60

100 % viscose [filament]



*Art. No. 916
10 x 5000 m



Art. No. 915
10 x 1500 m



132 single colours
*2 colours (black & white)



dtex 84 x 2
den 75 x 2



60/8 - 65/9



STANDARD
100
94.0.6007
Hohenstein

Rayon sampling tools

CLASSIC 40 Assortment Box

Art. No.
005CL40



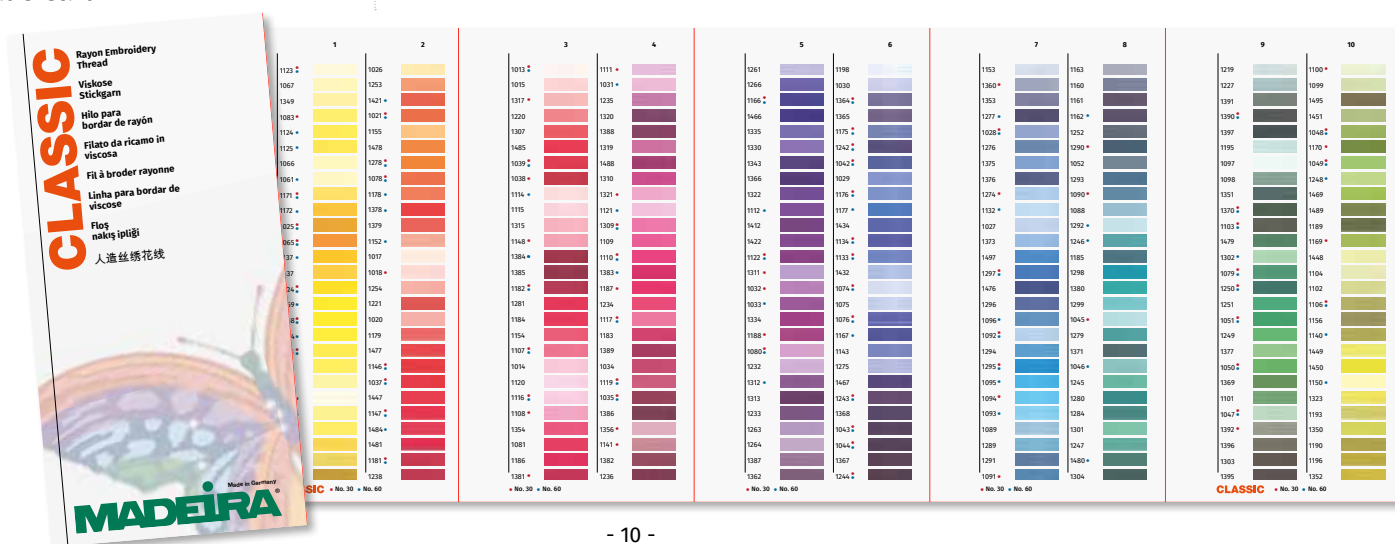
387 single colours (1000 m)



CLASSIC Shade Card

Art. No.
001CL432

Our most comprehensive tool for accurate colour selection.





For more detailed information, please see:
www.madeira.com/startersets

CLASSIC 40 Mini Starter

Art. No.
006MICL4



10 diff. colours (1000 m)



| 11 | | 12 | | 13 | | 14 | | 15 | | 16 | | 17 | | 18 | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1270 * | 1055 † | 1276 * | 1056 * | 1326 * | 1057 † | 1336 * | 1058 * | 1346 * | 1059 * | 1356 * | 1060 * | 1366 * | 1061 * | 1376 * | 1062 * |
| 1270 * | 1055 † | 1276 * | 1056 * | 1326 * | 1057 † | 1336 * | 1058 * | 1346 * | 1059 * | 1356 * | 1060 * | 1366 * | 1061 * | 1376 * | 1062 * |
| 1271 † | 1056 † | 1277 * | 1057 † | 1327 * | 1058 † | 1337 * | 1059 † | 1347 * | 1060 † | 1357 * | 1061 † | 1367 * | 1062 † | 1377 * | 1063 † |
| 1272 * | 1058 * | 1278 * | 1059 * | 1328 * | 1060 * | 1338 * | 1061 * | 1348 * | 1062 * | 1358 * | 1063 * | 1368 * | 1064 * | 1378 * | 1064 † |
| 1425 * | 1059 * | 1329 * | 1060 * | 1329 * | 1061 * | 1339 * | 1062 * | 1349 * | 1063 * | 1359 * | 1064 * | 1369 * | 1065 * | 1379 * | 1065 † |
| 1470 * | 1060 * | 1330 * | 1061 * | 1330 * | 1062 * | 1340 * | 1063 * | 1350 * | 1064 * | 1360 * | 1065 * | 1370 * | 1066 * | 1380 * | 1066 † |
| 1491 * | 1061 * | 1331 * | 1062 * | 1331 * | 1063 * | 1341 * | 1064 * | 1351 * | 1065 * | 1361 * | 1066 * | 1371 * | 1067 * | 1381 * | 1067 † |
| 1492 * | 1062 * | 1332 * | 1063 * | 1332 * | 1064 * | 1342 * | 1065 * | 1352 * | 1066 * | 1362 * | 1067 * | 1372 * | 1068 * | 1382 * | 1068 † |
| 1493 * | 1063 * | 1333 * | 1064 * | 1333 * | 1065 * | 1343 * | 1066 * | 1353 * | 1067 * | 1363 * | 1068 * | 1373 * | 1069 * | 1383 * | 1069 † |
| 1494 * | 1064 * | 1334 * | 1065 * | 1334 * | 1066 * | 1344 * | 1067 * | 1354 * | 1068 * | 1364 * | 1069 * | 1374 * | 1070 * | 1384 * | 1070 † |
| 1495 * | 1065 * | 1335 * | 1066 * | 1335 * | 1067 * | 1345 * | 1068 * | 1355 * | 1069 * | 1365 * | 1070 * | 1375 * | 1071 * | 1385 * | 1071 † |
| 1496 * | 1066 * | 1336 * | 1067 * | 1336 * | 1068 * | 1346 * | 1069 * | 1356 * | 1070 * | 1366 * | 1071 * | 1376 * | 1072 * | 1386 * | 1072 † |
| 1497 * | 1067 * | 1337 * | 1068 * | 1337 * | 1069 * | 1347 * | 1070 * | 1357 * | 1071 * | 1367 * | 1072 * | 1377 * | 1073 * | 1387 * | 1073 † |
| 1498 * | 1068 * | 1338 * | 1069 * | 1338 * | 1070 * | 1348 * | 1071 * | 1358 * | 1072 * | 1368 * | 1073 * | 1378 * | 1074 * | 1388 * | 1074 † |
| 1499 * | 1069 * | 1339 * | 1070 * | 1339 * | 1071 * | 1349 * | 1072 * | 1359 * | 1073 * | 1369 * | 1074 * | 1379 * | 1075 * | 1389 * | 1075 † |
| 1500 * | 1070 * | 1340 * | 1071 * | 1340 * | 1072 * | 1350 * | 1073 * | 1360 * | 1074 * | 1370 * | 1075 * | 1380 * | 1076 * | 1390 * | 1076 † |
| 1501 * | 1071 * | 1341 * | 1072 * | 1341 * | 1073 * | 1351 * | 1074 * | 1361 * | 1075 * | 1371 * | 1076 * | 1381 * | 1077 * | 1391 * | 1077 † |
| 1502 * | 1072 * | 1342 * | 1073 * | 1342 * | 1074 * | 1352 * | 1075 * | 1362 * | 1076 * | 1372 * | 1077 * | 1382 * | 1078 * | 1392 * | 1078 † |
| 1503 * | 1073 * | 1343 * | 1074 * | 1343 * | 1075 * | 1353 * | 1076 * | 1363 * | 1077 * | 1373 * | 1078 * | 1383 * | 1079 * | 1393 * | 1079 † |
| 1504 * | 1074 * | 1344 * | 1075 * | 1344 * | 1076 * | 1354 * | 1077 * | 1364 * | 1078 * | 1374 * | 1079 * | 1384 * | 1080 * | 1394 * | 1080 † |
| 1505 * | 1075 * | 1345 * | 1076 * | 1345 * | 1077 * | 1355 * | 1078 * | 1365 * | 1079 * | 1375 * | 1080 * | 1385 * | 1081 * | 1395 * | 1081 † |
| 1506 * | 1076 * | 1346 * | 1077 * | 1346 * | 1078 * | 1356 * | 1079 * | 1366 * | 1080 * | 1376 * | 1081 * | 1386 * | 1082 * | 1396 * | 1082 † |
| 1507 * | 1077 * | 1347 * | 1078 * | 1347 * | 1079 * | 1357 * | 1080 * | 1367 * | 1081 * | 1377 * | 1082 * | 1387 * | 1083 * | 1397 * | 1083 † |
| 1508 * | 1078 * | 1348 * | 1079 * | 1348 * | 1080 * | 1358 * | 1081 * | 1368 * | 1082 * | 1378 * | 1083 * | 1388 * | 1084 * | 1398 * | 1084 † |
| 1509 * | 1079 * | 1349 * | 1080 * | 1349 * | 1081 * | 1359 * | 1082 * | 1369 * | 1083 * | 1379 * | 1084 * | 1389 * | 1085 * | 1399 * | 1085 † |
| 1510 * | 1080 * | 1350 * | 1081 * | 1350 * | 1082 * | 1360 * | 1083 * | 1370 * | 1084 * | 1380 * | 1085 * | 1390 * | 1086 * | 1400 * | 1086 † |
| 1511 * | 1081 * | 1351 * | 1082 * | 1351 * | 1083 * | 1361 * | 1084 * | 1371 * | 1085 * | 1381 * | 1086 * | 1391 * | 1087 * | 1401 * | 1087 † |
| 1512 * | 1082 * | 1352 * | 1083 * | 1352 * | 1084 * | 1362 * | 1085 * | 1372 * | 1086 * | 1382 * | 1087 * | 1392 * | 1088 * | 1402 * | 1088 † |
| 1513 * | 1083 * | 1353 * | 1084 * | 1353 * | 1085 * | 1363 * | 1086 * | 1373 * | 1087 * | 1383 * | 1088 * | 1393 * | 1089 * | 1403 * | 1089 † |
| 1514 * | 1084 * | 1354 * | 1085 * | 1354 * | 1086 * | 1364 * | 1087 * | 1374 * | 1088 * | 1384 * | 1089 * | 1394 * | 1090 * | 1404 * | 1090 † |
| 1515 * | 1085 * | 1355 * | 1086 * | 1355 * | 1087 * | 1365 * | 1088 * | 1375 * | 1089 * | 1385 * | 1090 * | 1395 * | 1091 * | 1405 * | 1091 † |
| 1516 * | 1086 * | 1356 * | 1087 * | 1356 * | 1088 * | 1366 * | 1089 * | 1376 * | 1090 * | 1386 * | 1091 * | 1396 * | 1092 * | 1406 * | 1092 † |
| 1517 * | 1087 * | 1357 * | 1088 * | 1357 * | 1089 * | 1367 * | 1090 * | 1377 * | 1091 * | 1387 * | 1092 * | 1397 * | 1093 * | 1407 * | 1093 † |
| 1518 * | 1088 * | 1358 * | 1089 * | 1358 * | 1090 * | 1368 * | 1091 * | 1378 * | 1092 * | 1388 * | 1093 * | 1398 * | 1094 * | 1408 * | 1094 † |
| 1519 * | 1089 * | 1359 * | 1090 * | 1359 * | 1091 * | 1369 * | 1092 * | 1379 * | 1093 * | 1389 * | 1094 * | 1399 * | 1095 * | 1409 * | 1095 † |
| 1520 * | 1090 * | 1360 * | 1091 * | 1360 * | 1092 * | 1370 * | 1093 * | 1380 * | 1094 * | 1390 * | 1095 * | 1400 * | 1096 * | 1410 * | 1096 † |
| 1521 * | 1091 * | 1361 * | 1092 * | 1361 * | 1093 * | 1371 * | 1094 * | 1381 * | 1095 * | 1391 * | 1096 * | 1401 * | 1097 * | 1411 * | 1097 † |
| 1522 * | 1092 * | 1362 * | 1093 * | 1362 * | 1094 * | 1372 * | 1095 * | 1382 * | 1096 * | 1392 * | 1097 * | 1402 * | 1098 * | 1412 * | 1098 † |
| 1523 * | 1093 * | 1363 * | 1094 * | 1363 * | 1095 * | 1373 * | 1096 * | 1383 * | 1097 * | 1393 * | 1098 * | 1403 * | 1099 * | 1413 * | 1099 † |
| 1524 * | 1094 * | 1364 * | 1095 * | 1364 * | 1096 * | 1374 * | 1097 * | 1384 * | 1098 * | 1394 * | 1099 * | 1404 * | 1100 * | 1414 * | 1100 † |
| 1525 * | 1095 * | 1365 * | 1096 * | 1365 * | 1097 * | 1375 * | 1098 * | 1385 * | 1099 * | 1395 * | 1100 * | 1405 * | 1101 * | 1415 * | 1101 † |
| 1526 * | 1096 * | 1366 * | 1097 * | 1366 * | 1098 * | 1376 * | 1099 * | 1386 * | 1100 * | 1396 * | 1101 * | 1406 * | 1102 * | 1416 * | 1102 † |
| 1527 * | 1097 * | 1367 * | 1098 * | 1367 * | 1099 * | 1377 * | 1100 * | 1387 * | 1101 * | 1397 * | 1102 * | 1407 * | 1103 * | 1417 * | 1103 † |
| 1528 * | 1098 * | 1368 * | 1099 * | 1368 * | 1100 * | 1378 * | 1101 * | 1388 * | 1102 * | 1398 * | 1103 * | 1408 * | 1104 * | 1418 * | 1104 † |
| 1529 * | 1099 * | 1369 * | 1100 * | 1369 * | 1101 * | 1379 * | 1102 * | 1389 * | 1103 * | 1399 * | 1104 * | 1409 * | 1105 * | 1419 * | 1105 † |
| 1530 * | 1100 * | 1370 * | 1101 * | 1370 * | 1102 * | 1380 * | 1103 * | 1390 * | 1104 * | 1400 * | 1105 * | 1410 * | 1106 * | 1420 * | 1106 † |
| 1531 * | 1101 * | 1371 * | 1102 * | 1371 * | 1103 * | 1381 * | 1104 * | 1391 * | 1105 * | 1401 * | 1106 * | 1411 * | 1107 * | 1421 * | 1107 † |
| 1532 * | 1102 * | 1372 * | 1103 * | 1372 * | 1104 * | 1382 * | 1105 * | 1392 * | 1106 * | 1402 * | 1107 * | 1412 * | 1108 * | 1422 * | 1108 † |
| 1533 * | 1103 * | 1373 * | 1104 * | 1373 * | 1105 * | 1383 * | 1106 * | 1393 * | 1107 * | 1403 * | 1108 * | 1413 * | 1109 * | 1423 * | 1109 † |
| 1534 * | 1104 * | 1374 * | 1105 * | 1374 * | 1106 * | 1384 * | 1107 * | 1394 * | 1108 * | 1404 * | 1109 * | 1414 * | 1110 * | 1424 * | 1110 † |
| 1535 * | 1105 * | 1375 * | 1106 * | 1375 * | 1107 * | 1385 * | 1108 * | 1395 * | 1109 * | 1405 * | 1110 * | 1415 * | 1111 * | 1425 * | 1111 † |
| 1536 * | 1106 * | 1376 * | 1107 * | 1376 * | 1108 * | 1386 * | 1109 * | 1396 * | 1110 * | 1406 * | 1111 * | 1416 * | 1112 * | 1426 * | 1112 † |
| 1537 * | 1107 * | 1377 * | 1108 * | 1377 * | 1109 * | 1387 * | 1110 * | 1397 * | 1111 * | 1407 * | 1112 * | 1417 * | 1113 * | 1427 * | 1113 † |
| 1538 * | 1108 * | 1378 * | 1109 * | 1378 * | 1110 * | 1388 * | 1111 * | 1398 * | 1112 * | 1408 * | 1113 * | 1418 * | 1114 * | 1428 * | 1114 † |
| 1539 * | 1109 * | 1379 * | 1110 * | 1379 * | 1111 * | 1389 * | 1112 * | 1399 * | 1113 * | 1409 * | 1114 * | 1419 * | 1115 * | 1429 * | 1115 † |
| 1540 * | 1110 * | 1380 * | 1111 * | 1380 * | 1112 * | 1390 * | 1113 * | 1400 * | 1114 * | 1410 * | 1115 * | 1420 * | 1116 * | 1430 * | 1116 † |
| 1541 * | 1111 * | 1381 * | 1112 * | 1381 * | 1113 * | 1391 * | 1114 * | 1401 * | 1115 * | 1411 * | 1116 * | 1421 * | 1117 * | 1431 * | 1117 † |
| 1542 * | 1112 * | 1382 * | 1113 * | 1382 * | 1114 * | 1392 * | 1115 * | 1402 * | 1116 * | 1412 * | 1117 * | 1422 * | 1118 * | 1432 * | 1118 † |
| 1543 * | 1113 * | 1383 * | 1114 * | 1383 * | 1115 * | 1393 * | 1116 * | 1403 * | 1117 * | 1413 * | 1118 * | 1423 * | 1119 * | 1433 * | 1119 † |
| 1544 * | 1114 * | 1384 * | 1115 * | 1384 * | 1116 * | 1394 * | 1117 * | 1404 * | 1118 * | 1414 * | 1119 * | 1424 * | 1120 * | 1434 * | 1120 † |
| 1545 * | 1115 * | 1385 * | 1116 * | 1385 * | 1117 * | 1395 * | 1118 * | 1405 * | 1119 * | 1415 * | 1120 * | 1425 * | 1121 * | 1435 * | 1121 † |
| 1546 * | 1116 * | 1386 * | 1117 * | 1386 * | 1118 * | 1396 * | 1119 * | 1406 * | 1120 * | 1416 * | 1121 * | 1426 * | 1122 * | 1436 * | 1122 † |
| 1547 * | 1117 * | 1387 * | 1118 * | 1387 * | 1119 * | 1397 * | 1120 * | 1407 * | 1121 * | 1417 * | 1122 * | 1427 * | 1123 * | 1437 * | 1123 † |
| 1548 * | 1118 * | 1388 * | 1119 * | 1388 * | 1120 * | 1398 * | 1121 * | 1408 * | 1122 * | 1418 * | 1123 * | 1428 * | 1124 * | 1438 * | 1124 † |
| 1549 * | 1119 * | 1389 * | 1120 * | 1389 * | 1121 * | 1399 * | 1122 * | 1409 * | 1123 * | 1419 * | 1124 * | 1429 * | 1125 * | 1439 * | 1125 † |
| 1550 * | 1120 * | 1390 * | 1121 * | 1390 * | 1122 * | 1400 * | 1123 * | 1410 * | 1124 * | 1420 * | 1125 * | 1430 * | 1126 * | 1440 * | 1126 † |
| 1551 * | 1121 * | 1391 * | 1122 * | 1391 * | 1123 * | 1401 * | 1124 * | 1411 * | 1125 * | 1421 * | 1126 * | 1431 * | 1127 * | 1441 * | 1127 † |
| 1552 * | 1122 * | 1392 * | 1123 * | 1392 * | 1124 * | 1402 * | 1125 * | 1412 * | 1126 * | 1422 * | 1127 * | 1432 * | 1128 * | 1442 * | 1128 † |
| 1553 * | 1123 * | 1393 * | 1124 * | 1393 * | 1125 * | 1403 * | 1126 * | 1413 * | 1127 * | 1423 * | 1128 * | 1433 * | 1129 * | 1443 * | 1129 † |
| 1554 * | 1124 * | 1394 * | 1125 * | 1394 * | 1126 * | 1404 * | 1127 * | 1414 * | 1128 * | 1424 * | 1129 * | 1434 * | 1130 * | 1444 * | 1130 † |
| 1555 * | 1125 * | 1395 * | 1126 * | 1395 * | 1127 * | 1405 * | 1128 * | 1415 * | 1129 * | 1425 * | 1130 * | 1435 * | 1131 * | 1445 * | 1131 † |
| 1556 * | 1126 * | 1396 * | 1127 * | 1396 * | 1128 * | 1406 * | 1129 * | 1416 * | 1130 * | 1426 * | 1131 * | 1436 * | 1132 * | 1446 * | 1132 † |
| 1557 * | 1127 * | 1397 * | 1128 * | 1397 * | 1129 * | 1407 * | 1130 * | 1417 * | 1131 * | 1427 * | 1132 * | 1437 * | 1133 * | 1447 * | 1133 † |
| 1558 * | 1128 * | 1398 * | 1129 * | 1398 * | 1130 * | 1408 * | 1131 * | 1418 * | 1132 * | 1428 * | 1133 * | 1438 * | 1134 * | 1448 * | 1134 † |
| 1559 * | 1129 * | 1399 * | 1130 * | 1399 * | 1131 * | 1409 * | 1132 * | 1419 * | 1133 * | 1429 * | 1134 * | 1439 * | 1135 * | 1449 * | 1135 † |
| 1560 * | 1130 * | 1400 * | 1131 * | 1400 * | 1132 * | 1410 * | 1133 * | 1420 * | 1134 * | 1430 * | 1135 * | 1440 * | 1136 * | 1450 * | 1136 † |
| 1561 * | 1131 * | 1401 * | 1132 * | 1401 * | 1133 * | 1411 * | 1134 * | 1421 * | 1135 * | 1431 * | 1136 * | 1441 * | 1137 * | 1451 * | 1137 † |
| 1562 * | 1132 * | 1402 * | 1133 * | 1402 * | 1134 * | 1412 * | 1135 * | 1422 * | 1136 * | 1432 * | 1137 * | 1442 * | 1138 * | 1452 * | 1138 † |

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• No. 3



Experience the Touch of Nature





Premium lyocell threads

The first coloured machine embroidery thread made of 100 % smooth TENCEL™ Lyocell fibres embodies the goodness found in nature and is one of the most environmentally friendly choices in the world.

TENCEL™ is a trademark of Lenzing AG



SENSA green

- botanical origin - TENCEL™ Lyocell fibers are derived from the natural raw material wood
- environmentally friendly production that saves and reuses resources
- feather soft and a distinguished silk-matte look
- suitable for many designs digitized for 40-weight threads
- a completely new embroidery experience in premium quality
- fully recyclable to support the progress of the textile industry



i Use lyocell underthreads for a consistent feel and truly sustainable end result – page 47.

SENSA
green
100 % lyocell [TENCEL™]



Art. No. 710
10 x 5000 m



144 single colours



STANDARD
100
21.0.63511
Hohenstein



dtex 100 x 2
den 90 x 2



65/9 - 75/11

SENSA
green
Shade Card

Art. No.
001SE210

Our most comprehensive tool
for accurate colour selection.

SENSA
green

Assortment Box

Art. No.
005SE00



144 single colours
(1000 m)





Recycling plain plastic into radiant embroideries



Not easy to make, but it has many eco-advantages. By reusing existing materials, no new waste is created, and non-renewable resources are saved. The environment also benefits from the reduced energy consumption and fewer carbon emissions when compared to the production of virgin polyester.



Recycled polyester threads

Premium embroidery threads developed in response to the global demand to reduce the number of plastic containers that end up in nature. Extremely robust and shiny, they offer the same high quality as all other polyester threads from Madeira, while being part of the solution.



POLYNEON^{green}

- made of 100 % recycled plastic
- give a new life to post-consumer PET bottles
- save non-renewable resources
- excellent performance on industrial machines
- high resistance, including to bleaching agents
- produce brilliant and sustainable embroideries

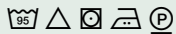


i For sampling, please use Polyneon 40 assortment box (Art. No. 005PO40) - page 22.

POLYNEON^{green}
100 % polyester [recycled]



Art. No. 718
10 x 5000 m



△ max. 20 g/l active chlorine - max. 30°C - max. 30min



dtex 135 x 2
den 120 x 2



60/8 - 75/11



over
108 single colours



STANDARD 100
21.0.57435
Hohenstein

POLYNEON^{green}
Shade Card

Art. No.
001PL85

Our most comprehensive tool for accurate colour selection.
(Polyneon and Polyneon Green colours are identical and share the same shade card)



100% GRS recycled polyester
Certified by ECOCERT Greenlife
Licence number 24.0979

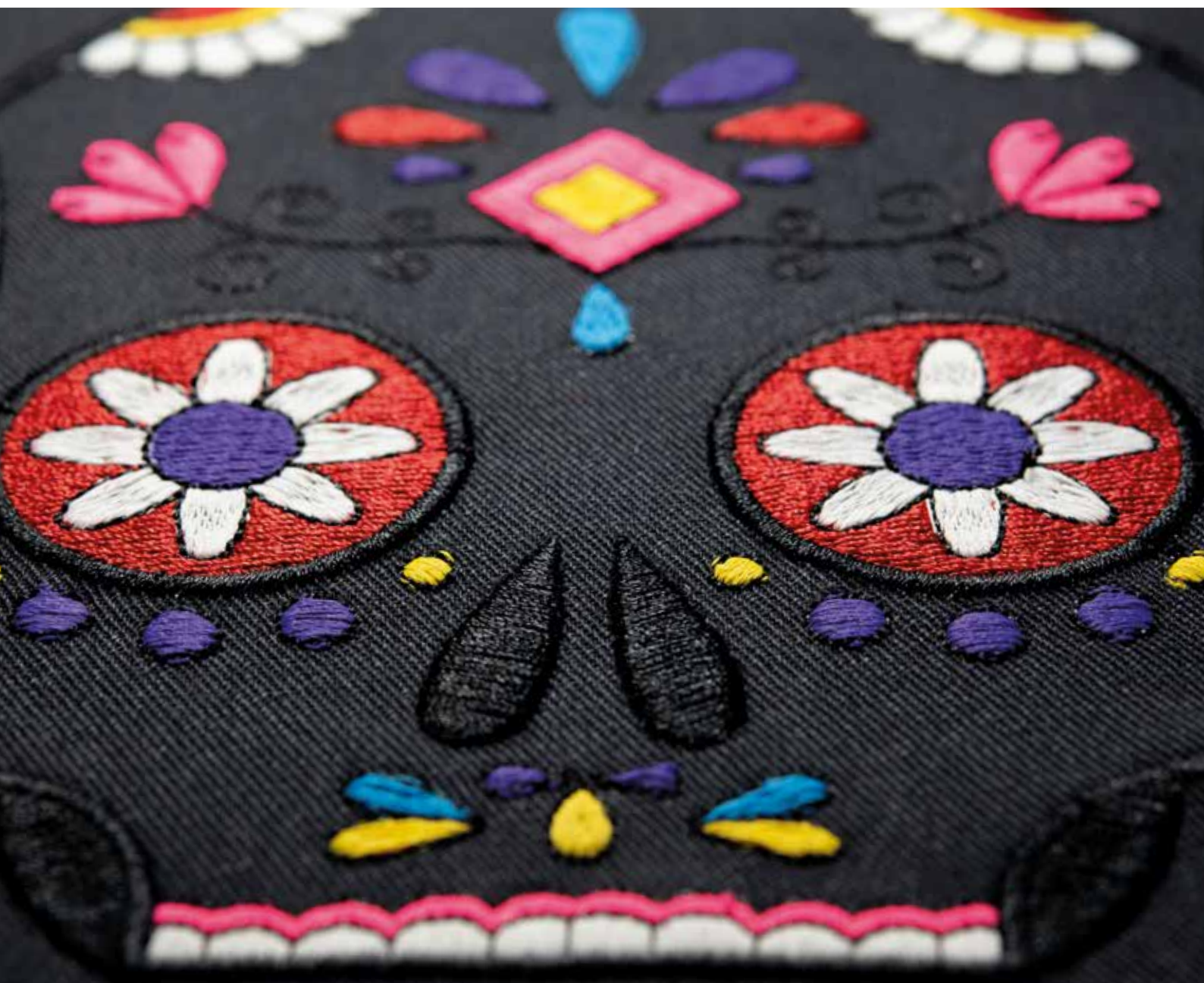
Learn more at
TextileExchange.org/Standards





Shiny polyester threads

Particularly robust threads for heavily stressed textiles. Available in over 400 colours, including fashionable neon shades. Compared to other polyester threads, they can be processed with a lower thread tension, which provides a nice, loose result.



POLYNEON

- trilobal polyester thread with strong shine
- suitable for chlorine bleaching, stone wash and industrial laundry
- lightfast, cost-effective & resistant to abrasion
- high tear resistance
- durable colours, including fluorescent and astro effects

i We are gradually replacing the polyester threads with recycled polyester. Please check our website for updates.



POLYNEON 40

100 % polyester [filament]



Art. No. 918
10 x 5000 m



Art. No. 919
10 x 1000 m



389 single colours
20 multicolours
24 fluorescent colours



△ max. 20 g/l active chlorine - max. 30°C - max. 30min



dtex 135 x 2
den 120 x 2



60/8 - 75/11

POLYNEON 60

100 % polyester [filament]



*Art. No. 926
10 x 5000 m



Art. No. 924
10 x 1500 m



143 single colours
7 fluorescent colours
*2 colours (black & white)



△ max. 20 g/l active chlorine - max. 30°C - max. 30min



dtex 84 x 2
den 75 x 2



60/8 - 65/9

POLYNEON 75

100 % polyester [filament]



*Art. No. 935
10 x 10000 m



Art. No. 936
10 x 2500 m



87 single colours
3 fluorescent colours
*2 colours (black & white)



△ max. 20 g/l active chlorine - max. 30°C - max. 30min



dtex 55 x 2
den 50 x 2



60/8

OEKO
TEX®

STANDARD
100
94.0.6007
Hohenstein

Polyester sampling tools

POLYNEON 40 Assortment Box

Art. No.
005PO40

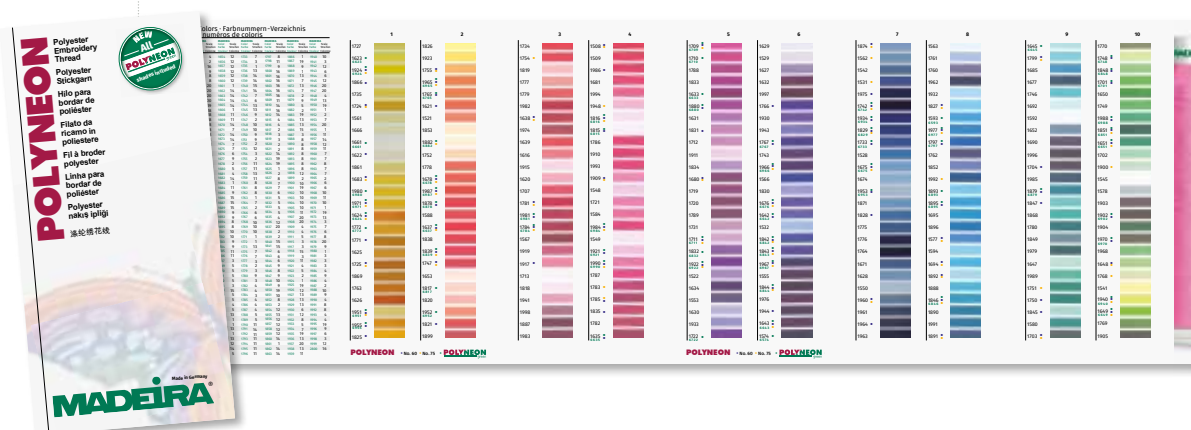
 413 colours (1000 m)



POLYNEON Shade Card

Art. No.
001PL85

Our most comprehensive tool for accurate colour selection.





For more detailed information, please see:
www.madeira.com/startersets

POLYNEON 40

Mini Starter

Art. No.
006MIPL4



10 diff. colours (1000 m)



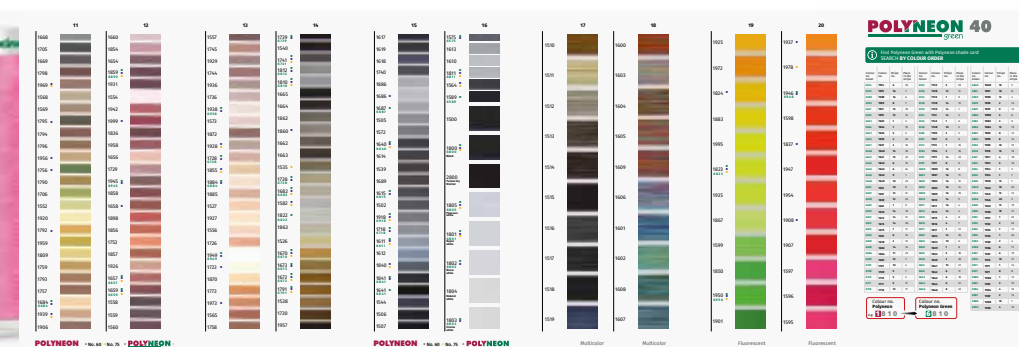
POLYNEON 60

Assortment Box

Art. No.
005POL60



150 single colours (1500 m)





Matte polyester threads

The world's first real frosted-effect thread.

For clear contours and strong contrasts in over 200 shades for whole new colour dimensions.



FROSTED MATT

- resistant to chlorine and other bleaching agents
- great for thread mixing, lettering or effects on functional wear and other garments
- high colour fastness to light
- truly matte effects



i Frosted Matt 40 should be punched like a 55 - 60 weight.

FROSTED MATT 40

100 % polyester [filament]



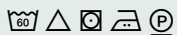
Art. No. 940
10 x 2500 m



Art. No. 942
10 x 1000 m



187 single colours
14 fluorescent colours



△ max. 20 g/l active chlorine - max. 30°C - max. 30min



dtex 90 x 2
den 80 x 2



60/8 - 75/11

FROSTED MATT 30

100 % polyester [filament]



Art. No. 944
10 x 2500 m



89 single colours
7 fluorescent colours



△ max. 20 g/l active chlorine - max. 30°C - max. 30min



dtex 175 x 2
den 160 x 2



70/10 - 80/12



STANDARD
100
94.0.6007
Hohenstein

Matte polyester sampling tools

FROSTED MATT 40 Assortment Box

Art. No.
005FM40

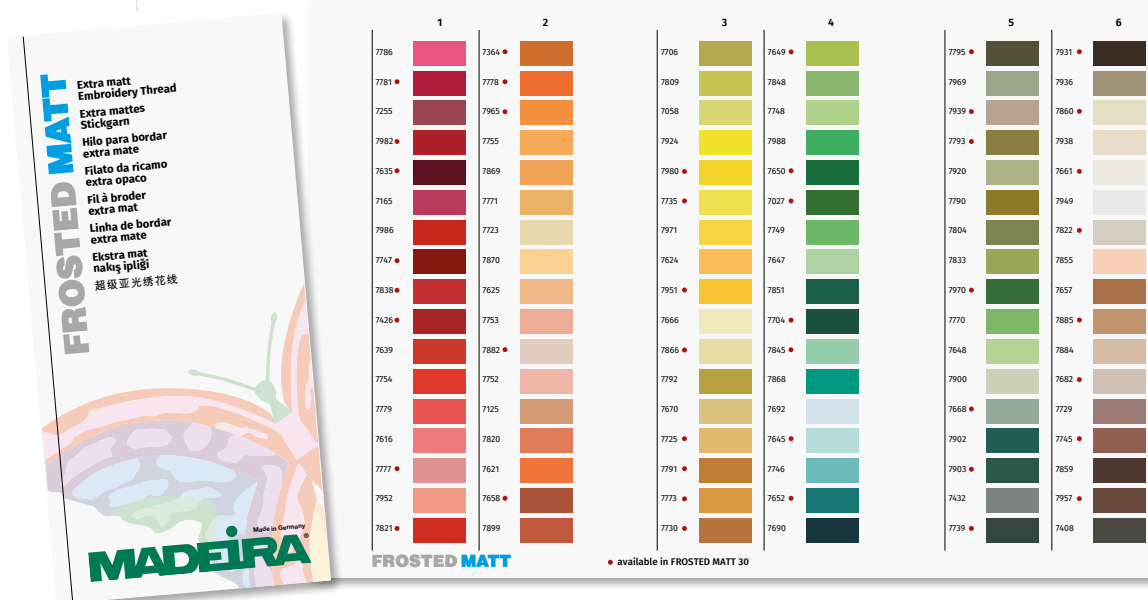
 201 colours (1000 m)



FROSTED MATT 40 Shade Card

Art. No.
001FR113

Our most comprehensive tool for accurate colour selection.





For more detailed information, please see:
www.madeira.com/startersets

FROSTED MATT 40 Mini Starter

Art. No.
006MIFM4



10 diff. colours (1000 m)



| 7 | 8 | 9 | 10 | 11 | 12 |
|------|------|------|------|------|------|
| 7874 | 7892 | 7832 | 7439 | 7611 | 7950 |
| 7871 | 7694 | 7286 | 7170 | 7811 | 7599 |
| 7733 | 7695 | 7922 | 7917 | 7689 | 7823 |
| 7934 | 7893 | 7630 | 7919 | 7741 | 7995 |
| 7147 | 7313 | 7911 | 7948 | 7613 | 7623 |
| 7144 | 7827 | 7627 | 7310 | 7718 | 7825 |
| 7442 | 7977 | 7711 | 7816 | 7640 | 7937 |
| 7761 | 7797 | 7680 | 7713 | 7041 | 7946 |
| 7628 | 7142 | 7834 | 7818 | 7612 | 7598 |
| 7842 | 7775 | 7731 | 7941 | 7840 | 7837 |
| 7843 | 7852 | 7815 | 7653 | 7641 | 7908 |
| 7767 | 7674 | 7921 | 7886 | 7405 | 7595 |
| 7466 | 7953 | 7721 | 7810 | 7401 | 7909 |
| 7742 | 7760 | 7984 | 7664 | 7801 | 7828 |
| 7976 | 7962 | 7787 | 7662 | 7803 | |
| 7643 | 7476 | 7710 | 7435 | | |
| 7844 | 7468 | 7109 | 7496 | | |

FROSTED MATT

• available in FROSTED MATT 30



Premium metallic threads


Our range includes luxurious metallic threads for golden moments, offering an exclusive shine that adds a fanciful, eye-catching, and prestigious beauty to logos and designs. We focus on softness, ease of use, and productivity. Different constructions and looks ensure perfect suitability for various embroidery techniques and decorative sewing, allowing every creative idea to come to life.



FS

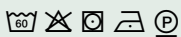
- FS 40's construction contains special paper to prevent the metallised foil from moving and exposing the polyamide core
- FS 30 is suitable for hard-wearing embroideries (chlorine resistant, washable at 95 °C)
- the fine thread FS 50 and the thick FS 20 allow shaping contours, to add volume and metallic outlines respectively
- various choices for metallic effects in timeless silver and gold nuances or eye-catching colours



 Shade Card available at page 31.

FS 20

80 % viscose
20 % metallised polyester



Art. No. 974
10 x 100 g



dtex 360
den 320



Art. No. 981
5 x 20 g



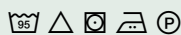
100/16



26 colours

FS 30

55 % polyester
45 % metallised polyester



Δ max. 20 g active chlorine/l - max. 30°C - max. 30 min.
Peroxide: max. 10 ml/l H₂O₂, 35 % - max. 50°C - max. 20 min.



Art. No. 980
10 x 5000 m



dtex 320
den 290



Art. No. 979
10 x 2500 m



90/14 -
80/12 SAN®8

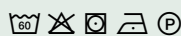


20 single colours



FS 40

40 % metallised polyester
35 % polyamide, 25 % paper



Art. No. 986
10 x 5000 m



dtex 220
den 200



Art. No. 985
5 x 1000 m



65/9 - 75/11



21 single colours

FS 50

55 % metallised polyester
45 % polyamide



Art. No. 988
10 x 5000 m



dtex 150
den 135



Art. No. 987
5 x 1000 m



65/9 - 75/11



8 single colours

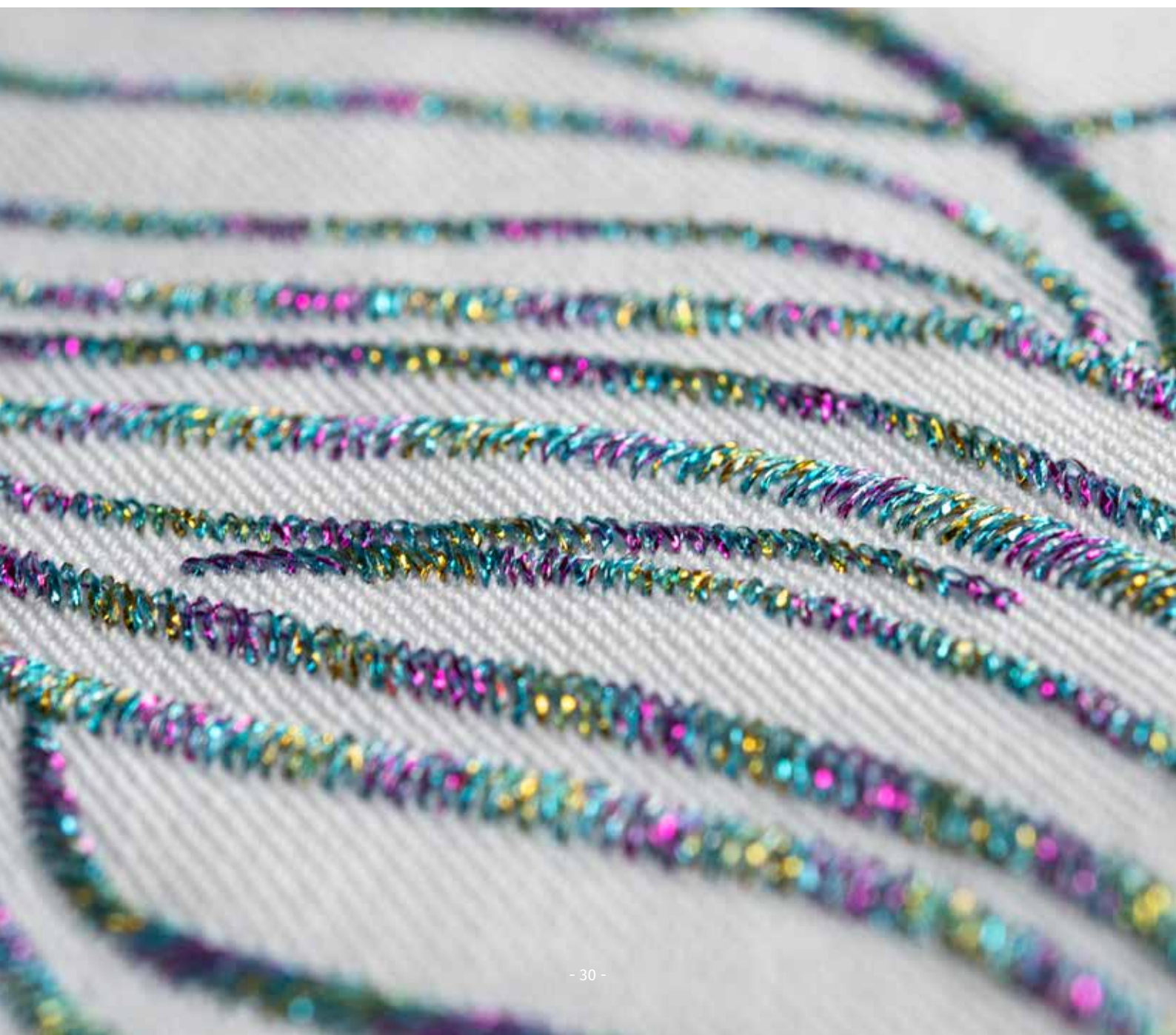
OEKO
TEX®

STANDARD
100
95.0.4921
Hohenstein



Trendy metallic threads

Versatile structured effect thread that offers a beautiful shimmer. Especially suitable for glittering effects for fashion applications, streetwear or decorative sewing on denim.



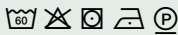
SUPERTWIST

- structured appearance for exquisite metallic effects
- over 120 colours including multicolours and pastels
- for cool, stylish, special applications



SUPERTWIST 30

70 % polyamide
30 % metallised polyester



Art. No. 982
10 x 5000 m



dtex 180
den 160



Art. No. 983
5 x 1000 m
(opal colours 900 m)



90/14 -
80/12 SAN®8



68 single colours
11 multicolours
16 opal colours
26 crystal colours



STANDARD
100
95.0.4921
Hohenstein

FS SUPERTWIST

Shade Card

Art. No.
001FS74

Our most comprehensive tool for accurate colour selection.





Easy-to-use metallic threads

The durable, smooth-running game changer in shiny and vivid colours.
CR is resistant against abrasion and provides outstanding quality at a competitive price.



CR Metallic

- runs perfectly with standard needle sizes
- great running performance at high speeds of 700 to 1000 stitches per minute
- washable at high temperatures
- available in gold and silver nuances, but also in colours



CR Metallic 40

68 % polyester
32 % metallised polyester



for some special colours



Art. No. 978
10 x 2500 m



dtex 230
den 210



65/9 - 75/11



42 single colours

CR Metallic 20

80% polyester [texturised]
20 % metallised polyester



for some special colours



Art. No. 975
10 x 2000 m



dtex 510
den 460



90/14 -
80/12 SAN®8



16 single colours

OEKO
TEX®

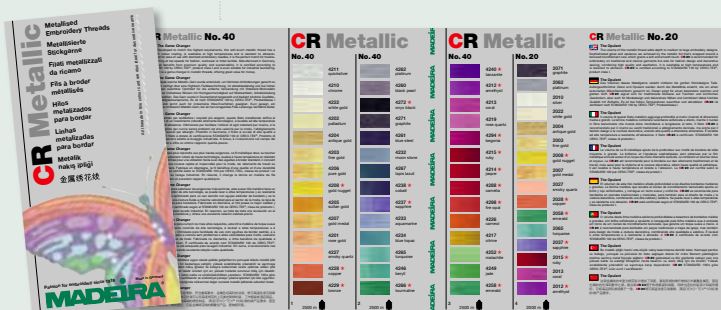
STANDARD
100

94.0.6007
Hohenstein

CR Metallic Shade Card

Art. No.
001CR65

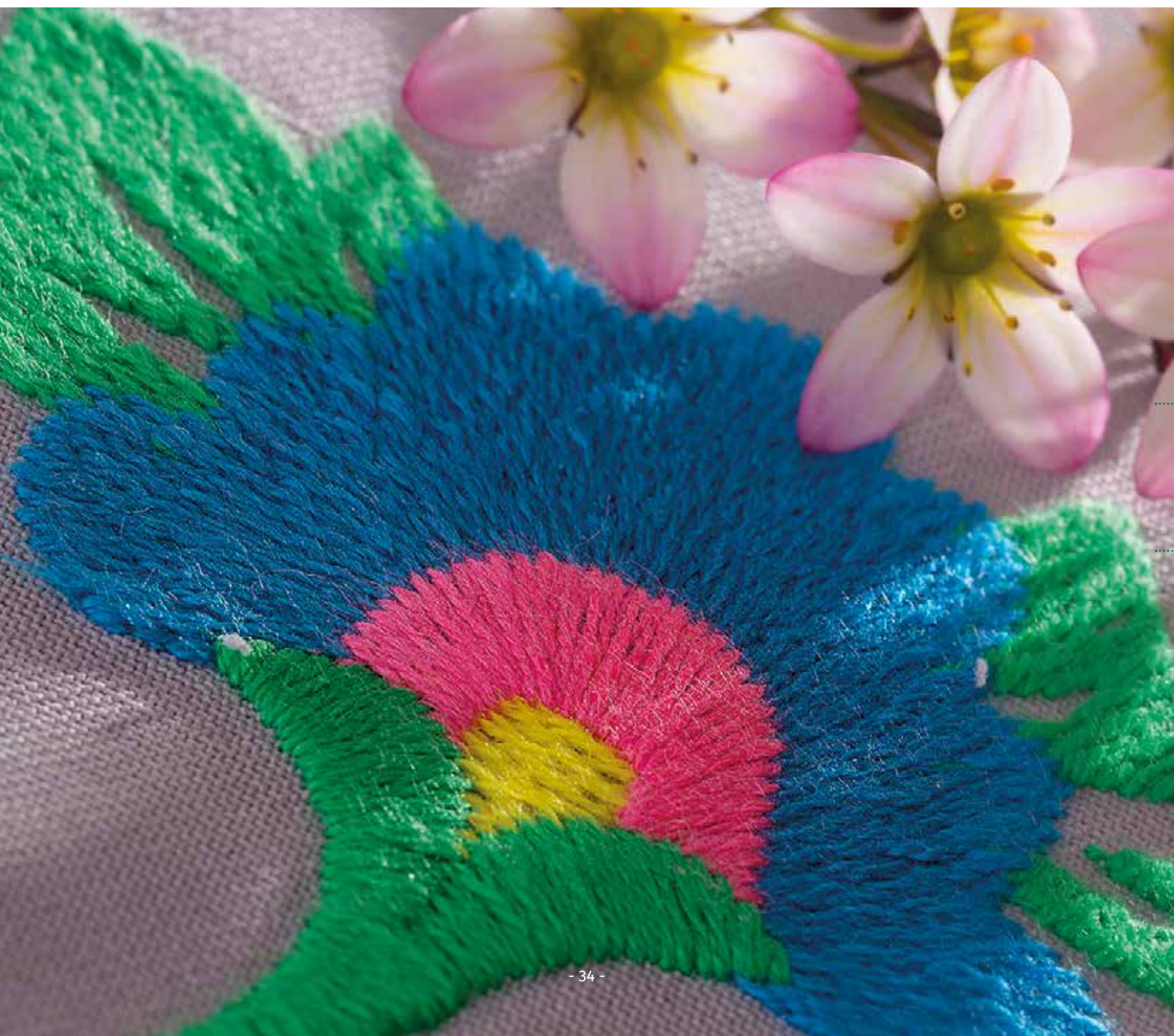
Our most comprehensive tool for accurate colour selection.



MADEIRA

Wool and cotton-blend threads

Voluminous handcrafted look for vintage or volume embroidery designs in over 200 colours.



BURMILANA

- wool-acrylic or cotton-acrylic mixtures
- ideally suited for large filling areas
- Burmilana CO 12 is suitable for baby items (certified with OEKO-TEX® STANDARD 100, product class I)
- the wool for the production of Burmilana 12 comes exclusively from suppliers practising mulesing-free livestock farming



BURMILANA 12

BURMILANA CO 12



The design elements digitised for Burmilana help reduce the number of stitches in an embroidered pattern – providing good coverage in fully embroidered areas through voluminous relief formation.

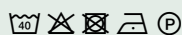
BURMILANA 12

50 % wool
50 % acrylic

some shades:
70% acrylic, 30% wool



Art. No. 813
10 x 1000 m



dtex 330 x 2
den 300 x 2

100/16



135 single colours
12 mélangé colours



STANDARD
100
95.0.4921
Hohenstein

BURMILANA CO 12

50 % cotton
50 % acrylic



Art. No. 816
10 x 1000 m



dtex 330 x 2
den 300 x 2

100/16



65 single colours
7 mélangé colours



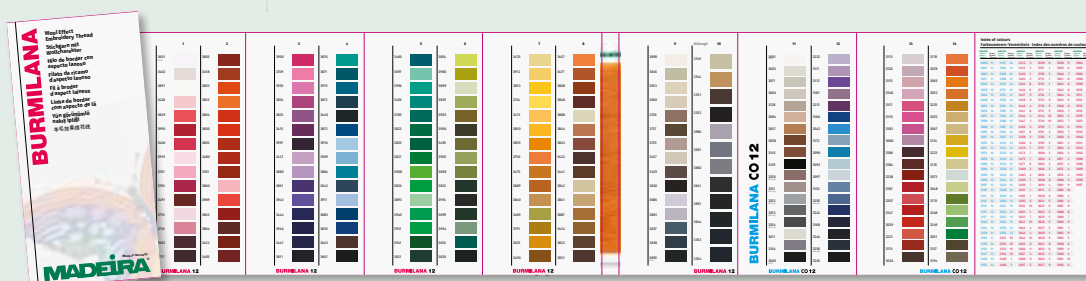
STANDARD
100
94.0.6007
Hohenstein

BURMILANA

Shade Card

Art. No.
001BUR610

Our most comprehensive tool for accurate colour selection.



MADEIRA

Glow in the dark / transparent threads

Easy-to-process, glow-in-the-dark effect thread that stores light when held under the sun or artificial light.
Transparent speciality monofilament for the invisible attachment of sequins and LEDs, as well as for filigree work.
Mix colourful and transparent threads for unique effects.



LUNA

Speciality

- gives off light through a greenish glow
- special construction for strong and long-lasting luminosity
- for glowing effects on children's clothing, as well as Halloween and carnival articles



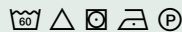
Daylight



Glowes green
in the dark

LUNA

60 % polyester
40 % polypropylene



dtex 150 x 2
den 135 x 2



Art. No. 996
10 x 750 m



75/11 - 80/12



1 single colour



STANDARD
100
21.0.63511
Hohenstein

MONOLON

- transparent monofilament
- particularly suitable for the invisible attachment of sequins and filigree work



MONOLON

100 % polyamide



dtex 66
den 60



Art. No. 801
10 x 15000 m



65/9



2 single colours
(transparent & smoke)



STANDARD
100
94.0.6007
Hohenstein

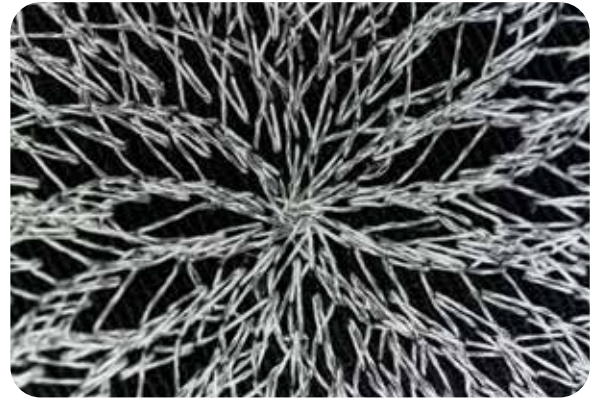


Light-reflecting threads

Light up your designs! This new surprise effect thread reflects light in the dark. Use it to play with the visibility of machine embroideries on clothes or accessories. Suitable for designs digitised for 35 or 40-weight threads.



REFLECT



REFLECT

75 % polyester
25 % polyamide



for 35 or
40-weight
designs*



Art. No. 442
10 x 500 m



90/14 - 80/12
SAN®8



1 single colour



STANDARD
100
94.0.6007
Hohenstein

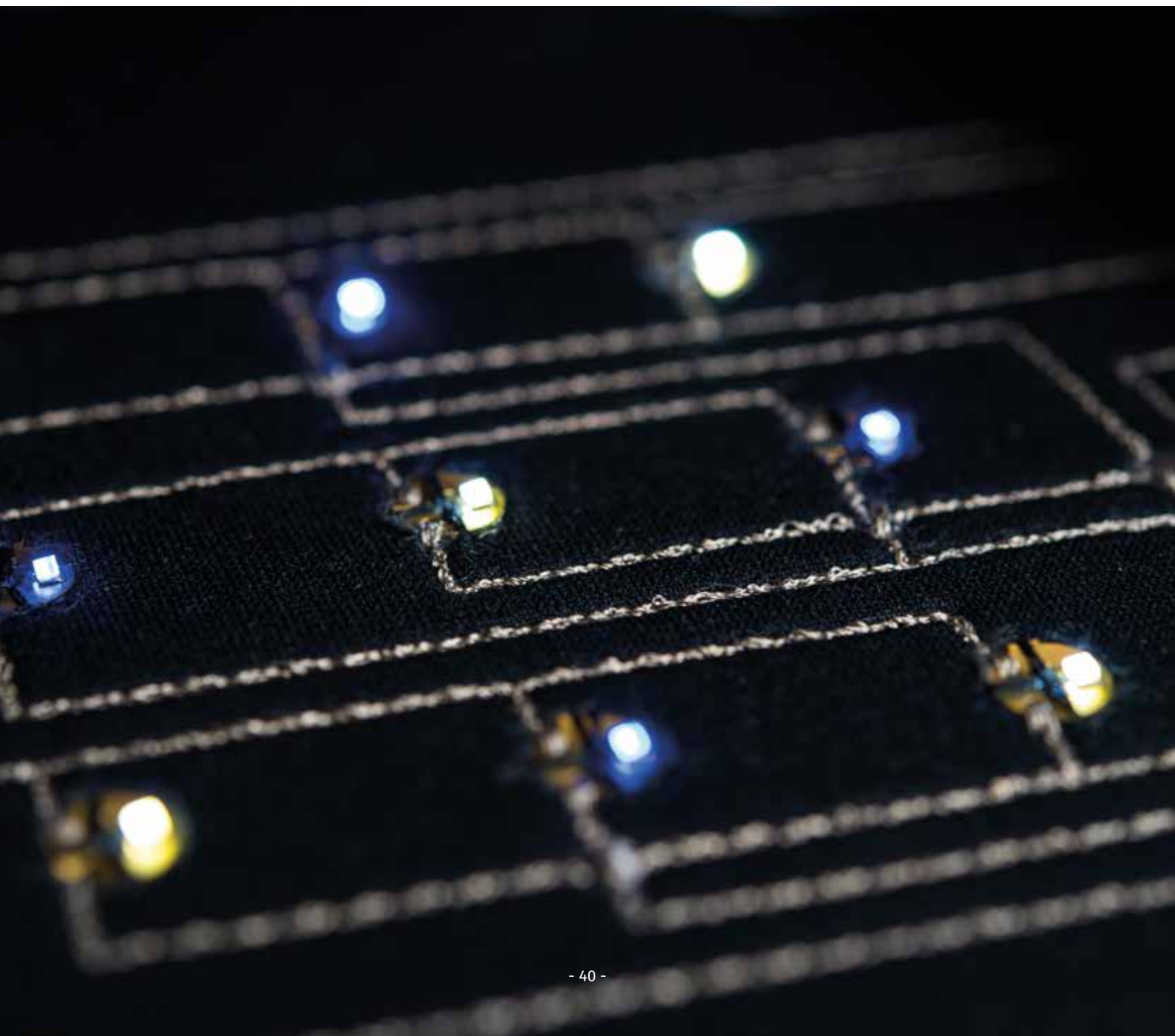


* Due to the fibre composition and the special construction of the Reflect thread, the thickness can't be provided in Nm and dtex. The weight of the thread might vary slightly, therefore the design should be tested in advance.



Highly conductive threads

Fully silver-plated with 99 % pure silver.
Highly conductive polyamide thread in two weights.



HC

- silver plating around every single filament
- silver is skin-friendly, antibacterial, antistatic & biocompatible
- for flexible circuitries, connecting LEDs, textile sensors, actuators and heating
- circuitry attachable by the use of embroidery, conductive glue or clamps



i Download the HC flyer
madeira.com/smart-textiles

i We recommend turning the textiles
inside out and placing them in a
laundry bag before washing.

HC 12

100 % polyamide
[fully silver plated]



Art. No. 420
10 x 1000 m



dtex 235 x 2
(before plating)



Art. No. 420SMP
10 x 150 m



100/16



1 single colour



Resistance:
< 100 Ω /m

HC 40

100 % polyamide
[fully silver plated]



Art. No. 410
10 x 2500 m



dtex 117 x 2
(before plating)



Art. No. 410SMP
10 x 250 m



75/11 - 80/12



1 single colour

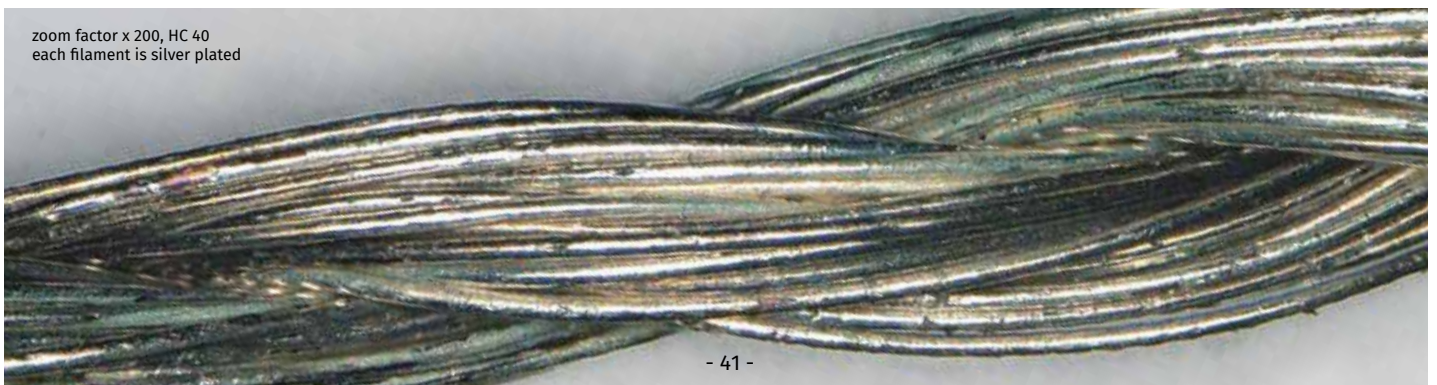


Resistance:
< 300 Ω /m



STANDARD
100
94.0.6007
Hohenstein

zoom factor x 200, HC 40
each filament is silver plated





Hardly flammable and flame-retardant threads

Flame-resistant aramid embroidery thread in 30 colours.
Flame-retardant thread in 30 single and 4 fluorescent colours.



FIRE FIGHTER

- for security applications for motorsports, aeroplanes, workwear and protective clothing
- tested according to DIN EN ISO 15025
- allows the following certifications to be obtained:
DIN EN 469, DIN EN ISO 14460, DIN EN ISO 11612 -A -B -C,
DIN EN 61482-1-2 K1, DIN EN 13034 K1, DIN EN ISO 11611,
DIN EN ISO 14116, DIN 4102 Part 1 B 1, and other national norms

i For complete protection you must use also the heat-resistant bobbin threads and backings.
(pages 47 & 53)

FIRE FIGHTER 40 Shade Card

Art. No.
001FIR97

Our most comprehensive tool for accurate colour selection.



FIRE FIGHTER 40 100 % aramid



Art. No. 929
10 x 2500 m



Art. No. 922
10 x 950 m



30 single colours



STANDARD
100
95.0.4921
Hohenstein



dtex 130 x 2
den 120 x 2



75/11 - 80/12

△ max. 20g active chlorine/l - max. 30°C - max. 30 min.

POLYNEON FR

- tested according to DIN EN ISO 11612 D&E
- compliant with DIN EN ISO 11611, DIN EN ISO 14116,
DIN 4102 Part 1 B1 and other norms
- optimised for industrial embroidery machines



POLYNEON Shade Card

Art. No.
001PL85



Our most comprehensive tool for accurate colour selection.

POLYNEON FR 100 % polyester [filament]



Art. No. 933
10 x 2500 m



30 single colours
4 fluorescent colours



STANDARD
100
94.0.6007
Hohenstein



dtex 135 x 2
den 120 x 2



60/8 - 75/11

△ max. 20g active chlorine/l - max. 30°C - max. 30 min.

MADEIRA

Underthreads

We offer a wide range of pre-wound bobbins and threads for self-winding. These are designed to complement the quality of our top threads, ensuring that your embroidery is both beautiful and durable. Although they are not visible from the front, the underthreads play a crucial role in the production process and influence the productivity. The embroidery on textiles that come into contact with the skin should feel soft and be free of harmful chemicals. Typically, you will need half as much bobbin thread as top thread. Our premium underthreads ensure your embroidery is of the highest quality.



Pre-wound bobbins



MAGNETIC SIDED



MAGNETIC CORE



ROYAL

i Pre-wound bobbins are a convenient option. They come pre-loaded with thread and are compatible with a wide range of embroidery machines. Pre-wound bobbins save you time and effort by offering several advantages such as speed, consistent tension, and better replacement planning.

MAGNETIC SIDED BOBBINS

100 % polyester [filament]



Art. No. 308

○ ca. 123 m/spool
● ca. 113 m/spool



2 colours (black & white)



△ max. 20 g active chlorine/l - max. 30°C - max. 30 min.



dtex 75 x 2
den 70 x 2

package with
144 spools



The magnetic-sided disc ensures smoother running and prevents looping.

MAGNETIC CORE BOBBINS

100 % polyester [filament]



Art. No. 317

○ ca. 135 m/spool
● ca. 123 m/spool



2 colours (black & white)



△ max. 20 g active chlorine/l - max. 30°C - max. 30 min.



dtex 75 x 2
den 70 x 2

package with
144 spools



The lower thread bobbin with magnetic core for a particularly even flow. Fewer bobbin changes – saves underthread, thanks to its special construction with open sides.

ROYAL

100 % polyester [filament]



Art. No. 307

○ ca. 123 m/spool
● ca. 113 m/spool



2 colours (black & white)



△ max. 20 g active chlorine/l - max. 30°C - max. 30 min.



dtex 75 x 2
den 70 x 2

package with
144 spools



With side discs, no winding from large cones necessary! Practical, always at hand and with consistent thread quantity and tension.

OEKO
TEX®

STANDARD
100
94.0.6007
Hohenstein

For self-winding

We offer a variety of thicknesses and cone sizes so you can choose what best suits your project needs. The fine threads allow a larger amount to fit on a spool, while the large cones are more economical and give you more length to wind.



BURMILON 120/2



BURMILON 200



BURMILON 300



UNDERTHREAD 150

BURMILON 120/2

100 % polyester



△ max. 20 g active chlorine/l - max. 30°C - max. 30 min.



Art. No. 301
10 x 7500 m



dtex 80 x 2
den 75 x 2



2 colours (black & white)



Our best-selling bobbin thread for all embroidery designs.

BURMILON 200

100 % polyester



△ max. 20 g active chlorine/l - max. 30°C - max. 30 min.



Art. No. 305
10 x 7500 m



dtex 150 x 1
den 135 x 1



2 colours (black & white)



Fine underthread to avoid frequent bobbin changes.

BURMILON 300

100 % polyester



△ max. 20 g active chlorine/l - max. 30°C - max. 30 min.



Art. No. 304
10 x 10000 m



dtex 55 x 2
den 50 x 2



2 colours (black & white)



The thinnest and strongest Madeira underthread. Its fineness makes the back of the embroidery flat and soft.

UNDERTHREAD 150

100 % polyester



△ max. 20 g active chlorine/l - max. 30°C - max. 30 min.



Art. No. 315
10 x 15000 m



dtex 110 x 2
den 100 x 2



2 colours (black & white)



An economic allrounder bobbin thread.



STANDARD
100
94.0.6007
Hohenstein

For self-winding

We offer a special range of underthreads for hardly flammable embroideries and projects with a high focus on sustainability.



POLYNEON GREEN
BOBBIN



SENSA GREEN
BOBBIN



FIRE FIGHTER
BOBBIN THREAD

POLYNEON
Bobbin green

100% polyester [filament; recycled]



Art. No. 321
10 x 7500 m



△ max. 20 g active chlorine/l - max. 30°C - max. 30 min.



dtex 80 x 2
den 75 x 2



2 colours (black & white)



Fine and durable. Ideal for combining with rPET top threads such as Polyneon Green.



STANDARD
100

21.0.57435
Hohenstein



100% GRS recycled polyester
Certified by ECOCERT Greenlife
Licence number 240979

Learn more at
TextileExchange.org/Standards

SENSA
Bobbin green

100% lyocell [TENCEL™]



Art. No. 319
10 x 7500 m



dtex 74 x 2
den 66 x 2



2 colours (black & white)



Soft, yet strong. Works great with any thread and pairs best with other cellulose yarns such as Sensa Green and Classic.



STANDARD
100

21.0.63511
Hohenstein

FIRE FIGHTER
BOBBIN THREAD

100% aramid



Art. No. 923
10 x 5000 m



dtex 130 x 2
den 120 x 2



2 colours (black & white)



For hardly flammable applications, embroider it together with Fire Fighter threads and aramid stabilisers.



STANDARD
100

95.0.4921
Hohenstein



Stabilisers

The right stabiliser for every application

Embroidery stabilisers, such as toppings, backings and specialty materials, help you achieve a durable, even and high-quality embroidery result. Without stabilisers, thin fabrics tend to pucker or the embroidery may feel scratchy on the skin or lose its shape.

Whatever your requirements, we offer a wide range to help you find the right solution for your needs.



Please note that the backings shown are from the Madeira HQ range.

If your desired backing is not available, please contact your local distributor or customer service for substitution suggestions.



E-Zee
green

Discover our eco-friendly and certified E-Zee Green products. Please check: madeira.com/ezee-green



100% GRS recycled polyester
Certified by ECOCERT Greenlife
Licence number 240979

Learn more at
TextileExchange.org/Standards

100% GRS recycled polyester

E-ZEE Green Cut
E-ZEE Green PES Soft (white)
E-ZEE Green PES Hard (white)
E-ZEE Green CAPS (squares & rolls)

60% GRS recycled polyester 40% polyester

E-ZEE Green PES Soft (black)
E-ZEE Green PES Hard (black)



Backings, toppings and speciality materials

Stabilising the embroidery and fabric for superior quality and consistent results.

From tear-away and cut-away backings, to water and heat-soluble films, to speciality materials such as hardly flammable backings, we have the right stabiliser for your needs.

And if you're having trouble choosing the right one, we've got a solution for that too.

Turn to **page 55** of this catalogue to find out how our Stabiliser Selector can help you find the right stabiliser for your project.



i We have an extensive range of stabilisers. This page is only intended to give an overview of the categories of stabilisers that we carry.

For detailed information on our full range, please see our stabiliser brochure.

Download our backing selector and stabiliser brochure:

madeira.com/backing-selector

madeira.com/stabiliser-brochure



Or visit: madeira.com/stabilisers



Tear-away

Tear-away backings can be removed quickly by simple and multi-directional tearing. These mainly short-fibre backings are particularly suitable for more stable materials such as denim, twill, and canvas. Also offered as handy pre-cuts. Optional self-adhesive solutions include one-sided adhesive embroidery backings, ideal for garments that cannot or should not be framed, ensuring precision and ease in every project.



Cut-away

Cut-away backings are especially appropriate for delicate fabrics. They remain part of the embroidery and thus serve as a permanent stabiliser. The protruding backing can be easily cut away while the rest remains soft to the skin. Available on rolls and as pre-cuts.






Speciality materials

From 3D foams to soft inlays and waterproof foils, we offer a variety of materials for specialised applications.

Please download our stabiliser brochure for product details and to view our full range: madeira.com/stabiliser-brochure

Toppings and films

Toppings not only prevent individual elements from sinking into knitwear or terrycloth, but also prevent the base material from showing through. They can be easily removed with water or heat without leaving any residue.

 Please note that the assortment might vary depending on local availability.

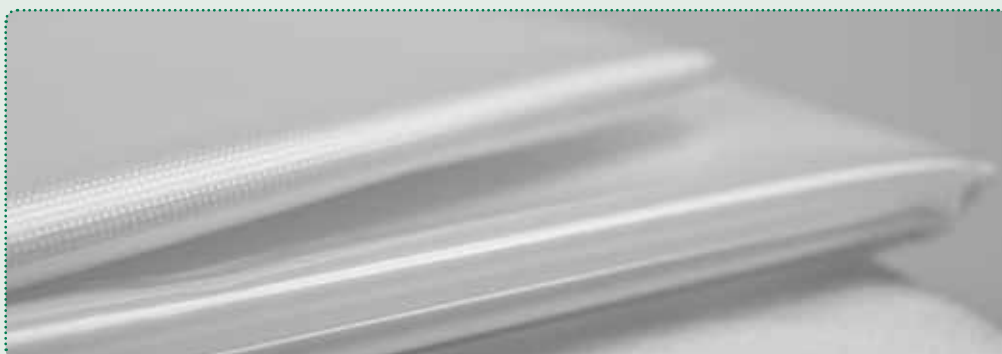
3D foam

Foam material to create 3D effects on caps, jackets and aprons.



Seal materials and inlays

We offer different materials for sealing embroidery holes on waterproof garments, permanently fixing badges to garments without the need for stitching, and soft inlays to cover the reverse side of your embroidery.



Water-soluble

Benefit from residue-free protection for your embroidery with water-soluble films. They prevent the intricate parts of a design from sinking into the fabric, but they also function as a second stabiliser during the embroidery process, especially for stretchy functional wear. Water-soluble toppings can be easily torn away. The rest will completely disappear after washing the piece for the first time.



Heat-soluble

These films are mainly used as a substitution for backings or as a base material for badges. They can be easily removed through heating with an iron or heat press.



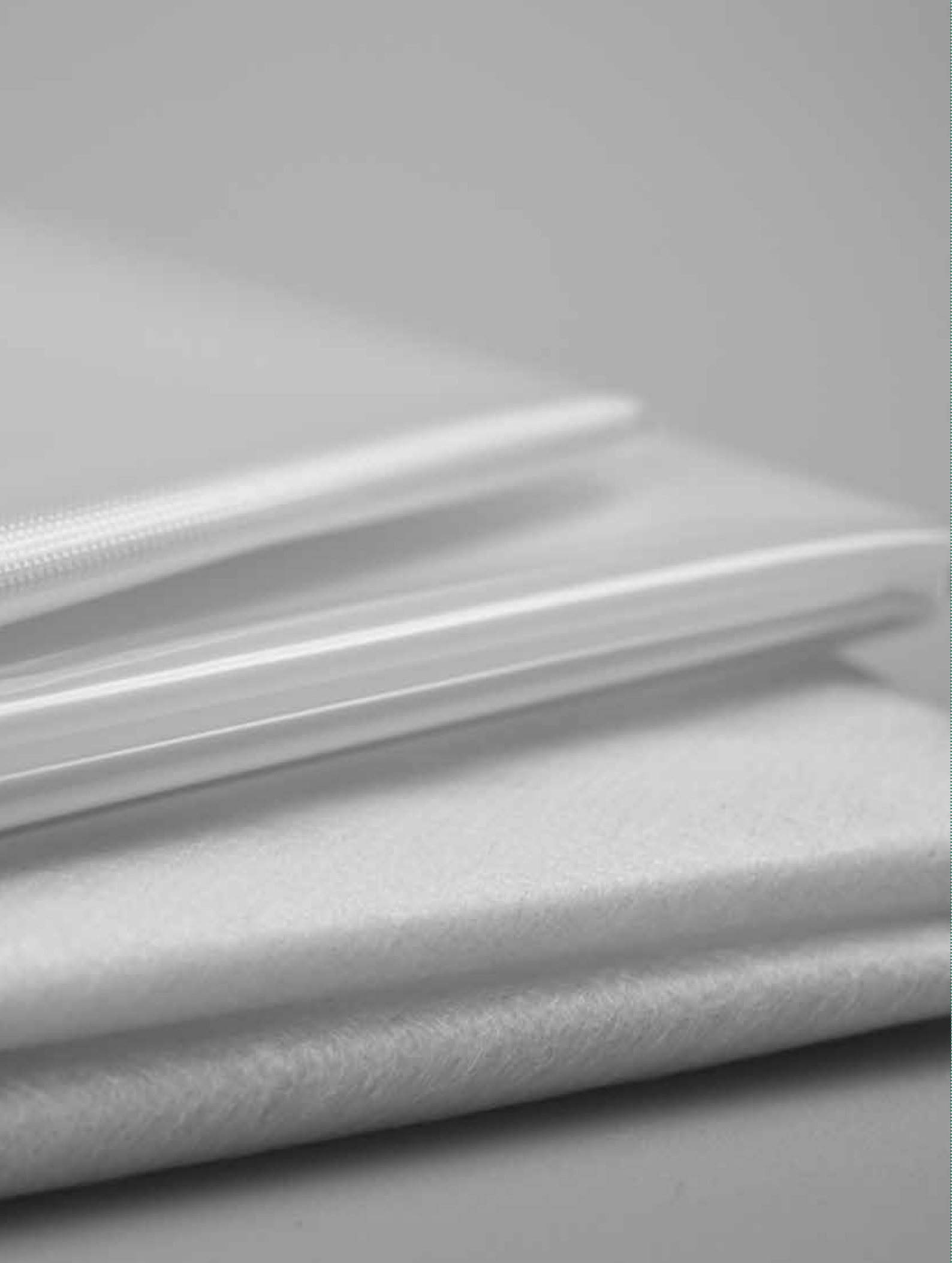
Hardly flammable

Hardly flammable, tear-resistant and stable speciality backing for embroideries on flame-resistant protective clothing and workwear.



Embroideries only offer reliable heat resistance when appropriate backings, top and underthreads are used.





Finding the right stabiliser made even easier

With many options available, choosing the right stabiliser for your project may seem like a difficult task - but with our selector it can be quite simple. Our interactive version now makes choosing the right product easier than ever.

1. Click on the green 'Filter' button.
2. On the left hand side, a window will open. There, you can **choose** one or more filter **criteria**.
3. Then click on 'Apply' and the results will be displayed.

Find our selector here:
madeira.com/stabiliser-selector

The sequence of screenshots illustrates the following steps:

- Step 1:** The user is on the 'Backings selector' page. A green arrow points to the 'Filter' button at the bottom left.
- Step 2:** The 'Filter' modal is open. It contains several sections: 'Type' (with a dropdown), 'Coverage/Thickness' (with a dropdown), 'Tactile properties' (with a dropdown), 'Tactile weight' (with a dropdown), 'Wash at' (with a dropdown), 'Dryer compatible' (with a dropdown), and 'Iron at' (with a dropdown). At the bottom of the modal are 'Apply' and 'Reset' buttons. A green arrow points to the 'Apply' button.
- Step 3:** The 'Filter' modal is still open, but the 'Apply' button has been clicked. A green arrow points to the 'Apply' button.
- Step 4:** The results are displayed. Two product cards are shown: 'CMX 90 TEAR' and 'Cotton Soft 50'. Each card lists the product name, type, coverage/thickness, tactile properties, tactile weight, wash at, dryer compatible, and iron at. A green arrow points to the 'CMX 90 TEAR' card.



Our printable PDF version is available here:
madeira.com/backing-selector

MADEIRA

Accessories

Beyond industrial threads and backings, we offer a selection of helpful tools to make your everyday life as a professional embroiderer easier. Discover a comprehensive selection of technical embroidery aids that are available to order together with your consumables from Madeira: your one-stop shop for everything you need for embroidery.



Machine tools

i Please note that the assortment might vary depending on local availability.

Oil pen

Art. No.
050RL10G

Contents:
12 ml

Access difficult-to-reach parts of your machine for precise oil application. Reuse your oil pen as often as you want: refillable with your standard embroidery machine oil.



Oil spray

Art. No.
025LB5VD

Contents:
300 ml

High-performance spray for around 3,600 applications. For needle bar drive, connecting rod, axial bearings and sintered bushing / felt rings.



Spool tops

Art. No.
050TOP

Improve the usability of embroidery spools by increasing the unwinding diameter of the standard spools.



Cone & spool holder

Art. No.
050SPCON

Placed on the top of your machine, it allows you to switch easily from disc spools to cones.





Embroidery tools

Store, protect or maintain – here you can find your ideal tools to ease your everyday embroidery life.

i Please note that the assortment might vary depending on local availability.

Tension gauge

Art. No.
050GAUGE

Always get your thread tension right by using a bobbin or top thread thread gauge.

Additional analogue or digital versions available.



Seam ripper

Art. No.
020N9469

Handy multi-purpose tool for removing embroidery stitches, seams or backings. Sharp blade, security ball and protective lid.



Adhesive spray

Art. No.
025MSAN

Content:
350 g

Spray for temporarily fixing appliqué fabrics, 3D foam or fabrics that cannot or should not be framed.



Cone holder

Art. No.
050CO18

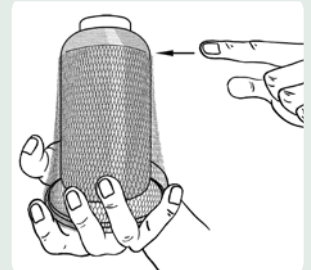
Solid wood holder for 18 cones. Stackable so you always have your favourite colours on hand.



Cone net

Art. No.
050NET

Elasticated cone net to improve the running performance of metallic threads on your machine.

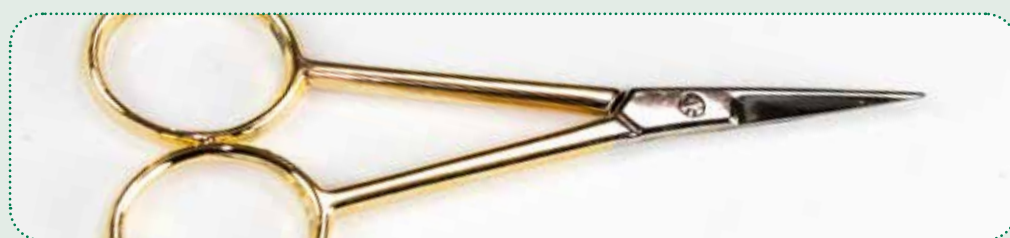




Curved embroidery scissors

Art. No.
020N9476

The curved tip allows a precise and safe cut without damaging the fabric. Ideal for removing binding stitches.



Double-curved embroidery scissors

Art. No.
020N9478

Allows you to reach hard-to-reach areas, such as the presser foot. The double-curve shape keeps fingers away from the fabric.



Straight embroidery scissors

Art. No.
020N9477

The standard pair of scissors for all types of cutting work on the embroidery machine.



Special scissors (FIRE FIGHTER)

Art. No.
020N9495

For smooth cutting of aramid backings. Standard scissors do not cut these special backings very well and quickly become blunt.



Scissors

Madeira offers embroidery scissors in various shapes and sizes. Whether they are made of chrome-plated steel or 22-carat-gold-plated steel, all are nickel free and give you a precise cut.



Please note that the assortment might vary depending on local availability.

Curved precision embroidery scissors

Art. No.
020N9491

Makes working on the embroidery hoop easy thanks to the special shape of the scissors' neck. The curved tips prevent damage to fabric and embroidery.



Appliqué scissors

Art. No.
020N9493

Precision scissors for appliqué, trimming and quilt work. The shaped 'bill' prevents damage to the fabric or appliqué.



Thumb grip snips

Art. No.
020N9492

An indispensable tool for many textile jobs where precision is required. Automatic spring-back to the starting position, ergonomically shaped



Snips

Art. No.
020N9494

For a quick and clean cut. Automatically springs back to its starting position and has a blade made of hardened steel.





Quality embroidery needles

Depending on the subsidiary or partner, we offer a quality range of needles for industrial embroidery machines, from small 60/8 standard needles to large-eye versions and hard-coated needles for special applications.

Check your web shop and local websites for more details or contact your Madeira distributor for availability.



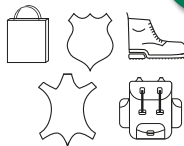
NEEDLE SELECTOR

How to find the right needle for your project:


1. What kind of fabric do you want to embroider (woven or knit)? This determines the **type of tip** to be used.

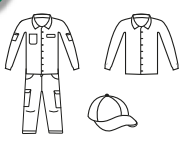
2. Which thread type and count do you want to embroider with? This determines the **size/diameter of the needle** to be used.

There are many possible combinations of embroidery threads and fabrics. If the recommended needle doesn't lead to a successful embroidery result, please try again with a different size and/ or tip.




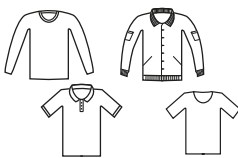
For textiles with a firm, closed surface such as leather, artificial leather and coated textiles such as shoes, biker jackets, backpacks and dog leashes






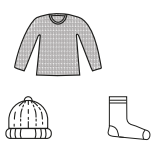
Universal tip for woven fabrics such as workwear, shirts, quilted jackets, caps, saddle pads






For all stretchable and elastic materials such as polo shirts, stretch jeans, sweatshirts and hoodies





For all coarse knitwear such as socks, jumpers, hats, scarves, woollen blankets



| Form of tip | DBxK5 system | R (R) | RG (Q)/ RG SAN1 | FFG (J/S) | FG (B) |
|--|----------------------|---------------|-----------------|--------------------|-----------|
| | 130/705 H system | – | Universal | Gold | Jersey/FG |
| 2. Product Organ needle tips in green and Groz Beckert in black letters. | | | | | |
| Viscose | Classic 60 | 65/9 | 60/8 - 65/9 | 60/8 - 65/9 | |
| | Classic 40 | 70/10 - 75/11 | 65/9 - 75/11 | 65/9 - 75/11 | |
| | Classic 30 | 75/11 | 75/11 | 75/11 | |
| Polyester | Polyneon 75 | 60/8 | 60/8 | 60/8 | |
| | Polyneon 60 | 65/9 | 60/8 - 65/9 | 60/8 - 65/9 | |
| | Polyneon Green/40/FR | 70/10 - 75/11 | 60/8 - 75/11 | 60/8 - 75/11 | |
| | Frosted Matt 40 | 70/10 - 75/11 | 60/8 - 75/11 | 60/8 - 75/11 | |
| | Frosted Matt 30 | 75/11 - 80/12 | 70/10 - 80/12 | 70/10 - 80/12 | |
| Lyocell | Sensa Green | 70/10 - 75/11 | 65/9 - 75/11 | 65/9 - 75/11 | |
| Wool blend | Burmilana 12 / CO | 100/16 | 100/16 | 100/16 | 100/16 |
| Aramid | Fire Fighter | 75/11 - 80/12 | 75/11 - 80/12 | 75/11 - 80/12 | |
| Metallic | CR 40 | 70/10 - 80/12 | 65/9 - 75/11 | 65/9 - 75/11 | |
| | CR 20 | 90/14 | 90/14 | SAN8 80/12 - 90/14 | |
| | FS 50 | 70/10 - 75/11 | 65/9 - 75/11 | 65/9 - 75/11 | |
| | FS 40 | 70/10 - 75/11 | 65/9 - 75/11 | 65/9 - 75/11 | |
| | FS 30 | 90/14 | 90/14 | SAN8 80/12 - 90/14 | |
| | FS 20 | 100/16 | 100/16 | 100/16 | 100/16 |
| | Supertwist 30 | 90/14 | 90/14 | SAN8 80/12 - 90/14 | |
| Speciality threads | Luna | 75/11 - 80/12 | 75/11 - 80/12 | 75/11 - 80/12 | |
| | Reflect | 90/14 | 90/14 | SAN8 80/12 - 90/14 | |
| | Monolon | 65/9 | 65/9 | 65/9 | |

| Article # DBxK5 system (round shank) | Form of tip | R (R) | RG (Q)/RG SAN1 | FFG (J/S) | FG (B) |
|--------------------------------------|----------------|----------------------|----------------|-------------|----------|
| | Size of needle | | | | |
| 55/7 | | 028055 (DBx1 system) | | | |
| | | | | | |
| 60/8 | | 021060R | 022060RG* | 021060HR | |
| | | | | | |
| 65/9 | | | 021065RG | | |
| | | | 022065RG* | 021065HR | |
| | | 021065R | 028065Q | 028065S *** | |
| 70/10 | | | 021070RG | | |
| | | | 022070RG* | 021070HR | |
| 75/11 | | | 021075RG | 021075HR | |
| | | | 022075RG* | | |
| | | 021075R | 028075Q | 028075S *** | |
| 80/12 | | | 021080RG | | |
| | | | 022080RG* | 021080HR | |
| | | | | 023080HR ** | |
| 90/14 | | 021090R | 021090RG | 021090HR | |
| 100/16 | | | 021100RG | | 021100FG |

| Article # 130/705 H system (flat shank) | Form of tip | Universal / RG | Gold / FFG (J) | Jersey / FG |
|---|----------------|----------------|----------------|-------------|
| | Size of needle | | | |
| 60/8 | | 024060RG | | |
| | | | | |
| 65/9 | | 024065RG | | |
| 70/10 | | 024070RG | | |
| 75/11 | | | 024075SES | |
| | | 024075RG | 029075J | |
| 80/12 | | 024080RG | | |
| 90/14 | | 024090RG | | |
| 100/16 | | 024100RG | | |
| | | | | 024100FG |
| | | | | 024100SUK |

* SAN1 = special coating for higher wear resistance

** SAN8 = large needle eye

*** S tip = narrower version of FFG (J) tip; part from eye to tip is narrower



Stitch density

Due to the different thread weights, the stitch density needs to be adjusted while digitising. Also, it might be that different needle sizes have to be used on the embroidery machine.

The following overview shows which stitch density and which needle sizes are suitable for which embroidery thread. Only the right combination of both stitch density and needle size will lead to a satisfactory embroidery result.

| THREAD TYPE | STITCH DENSITY based on 1/10 mm | STITCH DENSITY based on 1 mm | NEEDLE SIZE |
|-------------------|---------------------------------------|------------------------------------|------------------------|
| Sensa Green | 3.7 | 0.37 | 65/9 - 75/11 |
| Classic 60 | 3.5 | 0.35 | 60/8 - 65/9 |
| Classic 40 | 4.0 | 0.40 | 65/9 - 75/11 |
| Classic 30 | 5.0 | 0.50 | 75/11 |
| Polyneon Green 40 | 4.0 | 0.40 | 60/8 - 75/11 |
| Polyneon 75 | 2.0 | 0.20 | 60/8 |
| Polyneon 60 | 3.5 | 0.35 | 60/8 - 65/9 |
| Polyneon 40 / FR | 4.0 | 0.40 | 60/8 - 75/11 |
| CR 20 | 7.0 - 8.0 | 0.70 - 0.80 | 90/14, San®8 FFG 80/12 |
| CR 40 | 3.5 - 4.0 | 0.35 - 0.40 | 65/9 - 75/11 |
| FS 50 | 3.5 | 0.35 | 65/9 - 75/11 |
| FS 40 | 4.0 | 0.40 | 65/9 - 75/11 |
| FS 30 | 5.0 | 0.50 | 90/14, San®8 FFG 80/12 |
| FS 20 | 8.0 | 0.80 | 100/16 |
| Supertwist 30 | 6.0 | 0.60 | 90/14, San®8 FFG 80/12 |
| Burmilana 12 / CO | 9.0 | 0.90 | 100/16 |
| Frosted Matt 40 | 3.0 - 4.0 | 0.30 - 0.40 | 60/8 - 75/11 |
| Frosted Matt 30 | 5.0 - 6.0 | 0.50 - 0.60 | 70/10 - 80/12 |
| Luna | 4.0 - 5.0 | 0.40 - 0.50 | 75/11 - 80/12 |
| Fire Fighter 40 | 4.0 | 0.40 | 75/11 - 80/12 |
| Reflect | 4.5 | 0.45 | 90/14, San®8 FFG 80/12 |

All tips are only to be considered as rough guidelines and may vary depending on the fabric to be used and on the effect to be achieved. Monolon and HC threads are for special and technical usages, therefore such values are not relevant for them.

Guidelines for underthread use:

For standard-length stitches, the general rule for underthread requirement is around 3 m per 1000 stitches.

Upper thread: You can expect approximately 5 m per 1000 stitches.

Correct thread tension:

Perfectly tensioned embroidery with standard-length stitches should have around one third of the underthread visible on the reverse side of the fabric.



① 24/7 online services

WEBSITE: www.madeira.com

Find all relevant information at a glance on our website.

WEBSHOP

Available in many countries, Madeira subsidiaries or our distributors offer convenient state-of-the-art online shopping for products and services. Check your regional shop or contact us for support.



SOCIAL MEDIA

Facebook channels help you to discover what's going on.

Instagram provides embroidery inspiration and ideas.

YouTube hosts our tutorials, educational videos and webinars.

LinkedIn for professional news and networking.

Say Hello to our new AI supported chatbot, available 24/7



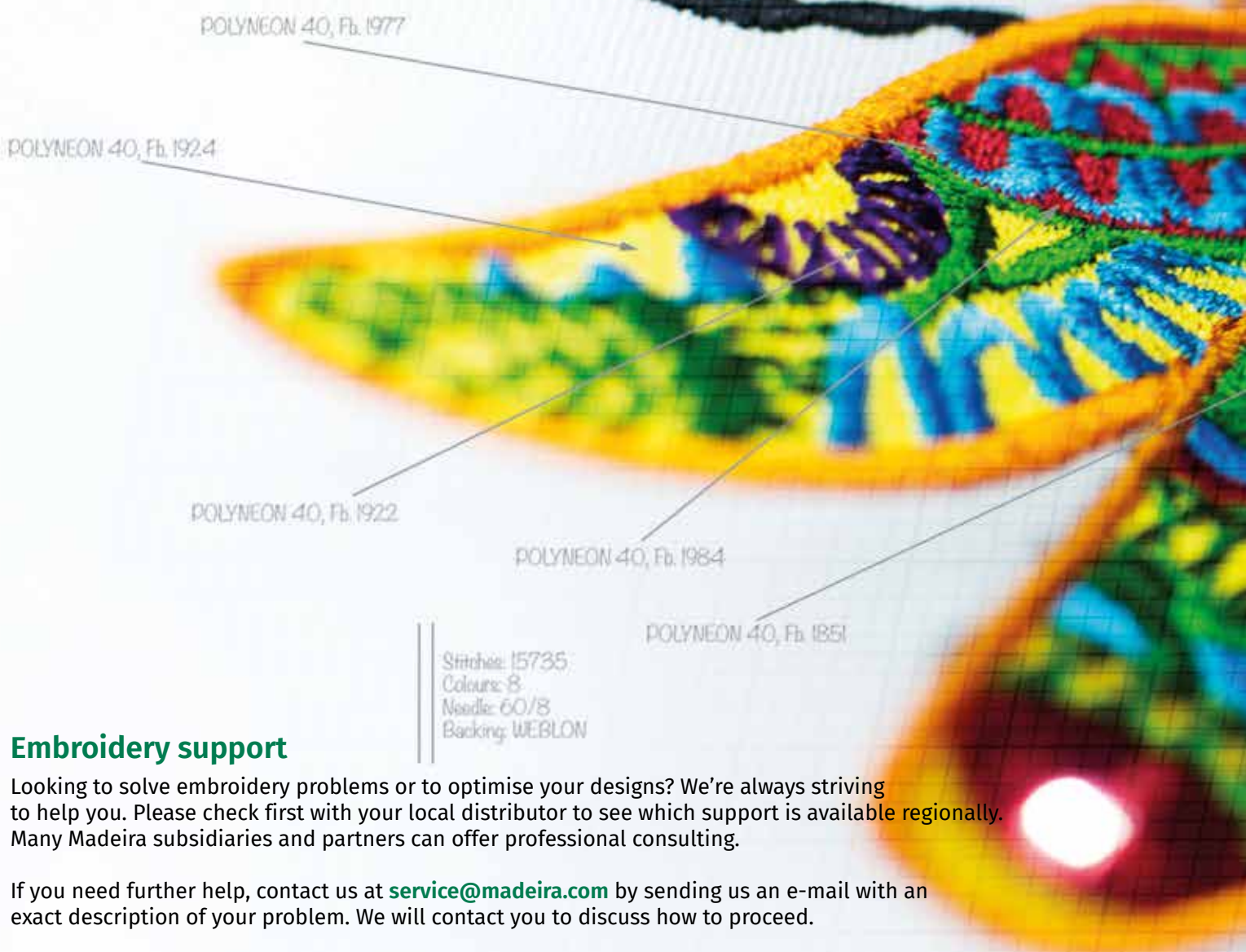
Our new AI powered Chatbot called **EIRA** is now online and will be there for you even when we have to take a nap. Give it a try!

Benefits to get the most out of your embroidery

Where to find more support to create great embroidery designs

How-tos and FAQ

Find many answers and our practical how-to guides now online and for download at madeira.com/service-support



Embroidery support

Looking to solve embroidery problems or to optimise your designs? We're always striving to help you. Please check first with your local distributor to see which support is available regionally. Many Madeira subsidiaries and partners can offer professional consulting.

If you need further help, contact us at service@madeira.com by sending us an e-mail with an exact description of your problem. We will contact you to discuss how to proceed.

Got a special request? Don't worry!

Simply fill out our web form on madeira.com/contact or send an e-mail to sales@madeira.com and tell us what you need.

We're happy to find a solution!





CONTACT

– WORLDWIDE –

For any further product details and information contact

info@madeira.com