

# MADEIRA

## Technical Datasheet

02.2023

### Polyneon No. 40

Article Description	Machine Embroidery Thread
Composition	100% polyester [ filament ]
Count	135 dtex x 2 / 120 den x 2
Make up available	1000 m spool & 5000 m cone
Recommended needle size	60/8 – 75/11

#### Fastness rating | Scale from 1 (worst) to 5 (best)

Fastness to washing (at 95 °C)	DIN EN ISO 105-C04/M & S C4A	4 - 5
Fastness to water (4 hrs at 37 °C)	DIN EN ISO 105-E01/M & S C6	4 - 5
Fastness to rubbing dry (10 x rubs on dry white fabric)	DIN EN ISO 105-X12 / M & S C8	4
Fastness to rubbing wet (10 x rubs on wet white fabric)	DIN EN ISO 105-X12 / M & S C8	3 - 4
Fastness to dry cleaning	DIN EN ISO 105-D01	4 - 5
Fastness to bleaching with hypochlorite	DIN EN ISO 105-N01	4 - 5
Determination of the colourfastness of articles for common use	Part 1: Test with artificial saliva DIN 53160-1	4 - 5
	Part 2: Test with artificial sweat DIN 53160-2	4 - 5

#### Fastness rating | Scale from 1 (worst) to 8 (best)

Fastness to light from xenon arc lamp (100 hrs)	DIN EN ISO 105-B02	6 - 8
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This rating only applies to colors we dye especially to meet the standards of the automotive industry. If you work in this sector, please ask for the list of colors. Other colors currently have a lower fastness to light.

#### Mechanical–technological values

Single-end breaking force (tensile force until the thread breaks)	DIN EN ISO 2062	ca. 1200 cN
Elongation at break	DIN EN ISO 2062	ca. 28 %
Shrinkage in boiling water	DIN 53866 T2	< 1 %
Melting point		> 240 °C

#### Recommendations for care



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

**Polyneon No. 40 is suitable for industrial reprocessing**

Shade card no.

84

#### Certification

STANDARD 100 by OEKO-TEX®, Annex 4, product class I



To improve this product Madeira reserves the right to alter the specifications or modify the appearance of products without notice. Information and technical data in this document are guidelines and no warranted characteristics. Small variations due to production process are possible.

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