

POLYNEON FR

Article Description Flame retardant Machine Embroidery Thread

Composition 100% polyester filament

Count 135 dtex x 2 / 120 den x 2

Make Up Available 2500 m cone

Fastness Rating – Scale 1 (worst) – 5 (best)

Fastness to washing at 95°C	DIN EN ISO 105-C04/M & S C4A	4
Not applicable to all colors! Depends on the dyestuffs used		
Fastness to washing at 60°C	DIN EN ISO 105-C03/M & S C4A	4-5
Fastness to water (damp for 4hrs at 37°C)	DIN EN ISO 105-E01/M & S C6	4-5
Fastness to rubbing dry (10 rubs on dry white Fabric)	DIN EN ISO 105-X12/M & S C8	4
Fastness to rubbing wet (10 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/M & S C10A	4-5
Fastness to saliva and perspiration according to § 35 LMBG		fast

Fastness Rating – Scale 1 (worst) – 8 (best)

Fastness to light	DIN EN ISO 105-B02	6-7
-------------------	--------------------	-----

Not applicable to all colors! Depends on the dyestuffs used.

Mechanical – Technological Values

Tensile Strength cN (force until thread breaks, in Centinewton)	DIN EN ISO 2062	approx. 900
Elongation (% of stretch extension with weight tension until breaks)	DIN EN ISO 2062	approx. 40-50%
Shrinkage (shrinkage at boiling water)	DIN 53866 T2	1-2 %

Polyneon FR is the result of a special manufacturing process and can be used on all materials that need to comply with DIN 4102 B1, NF P92 503.4.5, BS 5867, UNI 9177, NFPA701, IMO FTPC part 2. Due to the flame-retardant feature of this thread, colors might slightly differ from those displayed in the shade card.

Recommendations for care



Oeko-Tex



Color Card No.

82

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.

