Technical Brush Filaments

High Temperature Range

Perlon® – The Filament Company

Perlon® – The Filament Company – is an innovative and global group of companies specialising in the production of synthetic filaments. We produce at sites in Germany, Poland, China, India and the USA. We offer an extremely diverse product portfolio for almost every technical application. We are constantly creating new solutions for unique products – Our Engineering. Your success.

For when things get heated

The majority of standard engineering polymers used in filament production offer end users a maximum continuous working temperature of 80 – 100 °C. For applications requiring resistance to higher temperatures, whether created by frictional heat or ambient temperature, we offer a range of three high tech polymers to suit almost all working environments and budgets. All high temperature resistant polymers offer superior stiffness properties compared to standard polymers in the same diameter.

HT150 GreenLine

- Max. continuous working temperature **150** °C
- Density 1.09 g/cm^3; moisture absorption 6 %
- Excellent resistance to alkaline solutions (pH>7)
- Food approved; conforms to EU10/2011
- Made from 70 % biobased raw material
- Color can change under the influence of oxygen and take on a greenish tone
- Standard stock item in 0.20 mm; 0.40 mm and 0.60 mm

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Pekalon II

- Max. continuous working temperature **180 – 200 °C**
- Density 1.35g/cm^3; moisture absorption <1 %
- Excellent resistance to all chemicals
- Food approved; conforms to EU10/2011 and FDA
- Standard stock item in 0.20 mm; 0.40 mm and 0.60 mm

PEEK

- Max. continuous working temperature **250 °C**
- Density 1.30g/cm^3; moisture absorption <1 %
- Excellent resistance to all chemicals
- Food approved; conforms to EU10/2011 and FDA
- Standard stock item in 0.40 mm and 0.60 mm
- Flame retardant according to UL94 V-0

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