

ZYEX™ PEEK Heavy Monofilament

General Information

Product Description

Semi crystalline PolyEtherEtherKetone (PEEK), continuous filament for weaving, braiding, knitting, twisting, co-mingling and texturizing.

- FDA Food Contact Compliant.
- RoHS Compliant

Typical Application Space:

- Conveyor Belts, Filter Fabric, Cable Protection Systems, Brushes

Colour Options:

- Natural, Black, Grey, Blue, Red, Green, Yellow, Brown, Violet, Orange

Surface Treatment Options:

- Flame Polished, Natural

Presentation (Spool Type):

- Plastic Flanged Spool

Material Properties

Physical	Nominal Value	Unit	
Density	1.31	g/cm ³	
Linear Density nominal	3680 to 48800		
Filament Type	Fully Drawn or Partially Orientated		
Filament Count	1		
Filament Diameter approximate individual	0.600 to 2.00	mm	
Shrinkage Constrained, 1 min (200°C)	1.0 to 6.0	%	
Mechanical	Nominal Value	Unit	
Tensile Modulus at 2% strain	350 to 550	cN/tex	
Tensile Strength at Break FDY	30.0 to 45.0	cN/tex	
Tensile Strength at Break POY	10.0	cN/tex	
Tensile Elongation at Break	20.0 to 45.0	%	
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	250	°C	
Glass Transition Temperature			ISO 11357
Onset	143	°C	
Midpoint	150	°C	
Melting Temperature	343	°C	ISO 11357

Revision Date: December 2025

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