

ZYEX™ PEEK Fine 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:

- Filter Fabrics, Mechanical Scrim

Colour Options:

- Natural and Black

Surface Treatment Options:

- Spin Oil, Dry

Presentation (Spool Type):

- Cardboard tube

Material Properties

Physical	Nominal Value	Unit	
Density	1.31	g/cm ³	
Linear Density nominal	40.0 to 100		
Filament Type	Fully Drawn		
Filament Count	1		
Filament Diameter approximate individual	0.0500 to 0.100	mm	
Shrinkage Constrained, 1 min (200°C)	1.0 to 6.0	%	
Mechanical	Nominal Value	Unit	
Tensile Modulus at 2% strain	500 to 600	cN/tex	
Tensile Strength at Break	30.0 to 60.0	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

This information is provided "as is". It is not intended to amount to advice. Use of the product is at the customer's/user's risk. It is the customer's/user's responsibility to thoroughly test the product in each specific application to determine its performance, efficacy and safety for each end-use product, device or other application and compliance with applicable laws, regulations and standards. Mention of a product is no guarantee of availability. Victrex reserves the right to modify products, data sheets, specifications and packaging. **Victrex makes no warranties, express or implied (including, without limitation, any warranty of fitness for a particular purpose or of intellectual property non-infringement) and will not be liable for any loss or damage of any nature (however arising) in connection with customer's/user's use or reliance on this information, except for any liability which cannot be excluded or limited by law.** This document may be modified or retracted at any time without notice to the customer/user.

Victrex Manufacturing Limited (or another member of the Victrex group) is the owner or the licensee of all intellectual property rights in and to this document including the following trademarks, VICTREX, 450G, VICTREX AM, VICTREX CT, VICTREX FG, VICTREX HPG, VICTREX HT, VICTREX ST, VICTREX WG, APTIV, LMPAEK, VICOTE, TRIANGLE (Device). All rights are protected by intellectual property rights including copyright under relevant national and international intellectual property laws and treaties. All rights reserved. Copyright © Victrex Manufacturing Limited 2025.