



# ZYEX™ PEEK Multifilament

## General Information

### Product Description

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

- FDA Food Contact Compliant.
- RoHS Compliant

Typical Application Space:

- Filter Fabrics, Music Strings, Composites

Colour Options:

- Natural and Black

Surface Treatment Options:

- Spin Oil, Water

Presentation (Spool Type):

- Cardboard tube

## Material Properties

Physical	Nominal Value	Unit
Density	1.31	g/cm <sup>3</sup>
Linear Density nominal	75.0 to 1230	
Filament Type	Fully Drawn or Partially Orientated	
Filament Count	15 to 72	
Filament Diameter approximate individual	0.0140 to 0.0400	mm
Shrinkage Constrained, 1 min (200°C)	1.0 to 6.0	%
Mechanical	Nominal Value	Unit
Tensile Modulus at 2% strain	450 to 650	cN/tex
Tensile Strength at Break FDY	30.0 to 60.0	cN/tex
Tensile Strength at Break POY	10.0	cN/tex
Tensile Elongation at Break FDY	15.0 to 40.0	%
Tensile Elongation at Break POY	> 75	%
Thermal	Nominal Value	Unit
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. Victrix reserves the right to modify products, data sheets, specifications and packaging. **Victrix 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.

Victrix Manufacturing Limited (or another member of the Victrix 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, LMPEAK, 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 © Victrix Manufacturing Limited 2025.