

Greene Tweed WR[®] FP100 Polyketone, Reinforced

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK)

Material Notes:

Greene Tweed's WR[®] FP100, a reinforced compression-molded polyketone, offers excellent wear resistance with FDA compliance. The typical properties and physical characteristics of WR FP100 make it well suited for use as bushings and wear rings in rotating equipment. WR FP100's FDA compliance allows it to be used in pump applications for drinking water, food processing and pharmaceutical manufacturing. Information provided by Greene Tweed.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Greene-Tweed-WR-FP100-Polyketone-Reinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.52 g/cc	1.52 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	97	97	ASTM D785
Hardness, Shore D	89	89	ASTM D2240
Tensile Strength at Break	68.27 MPa	9902 psi	ASTM D638
Elongation at Break	3.5 %	3.5 %	ASTM D1457
Flexural Strength	148.16 MPa	21489 psi	ASTM D790
Flexural Modulus	6.446 GPa	934.8 ksi	Flexural 0.5% Secant Modulus; ASTM D790
Compressive Strength	222.51 MPa	32272 psi	ASTM D695
Secant Modulus	6.15 GPa	892 ksi	Tensile 0.5% Secant Modulus; ASTM D638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	135 Å°C	275 Å°F	
Minimum Service Temperature, Air	-73.3 Å°C	-100 Å°F	

Descriptive Properties	Value	Comments
Color	Tan	

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