

Ensinger XP-154 Compression Molded PI Compound, 40% Graphite, Premium Grade

Category : Polymer , Thermoplastic , Polyimide, Thermoplastic , Thermoplastic Polyimide, Graphite Filled

Material Notes:

The XP 150 Series are amorphous high performance polyimides with high permanent temperature and creep resistance, as well as excellent bearing and wear properties, and excellent long term thermal stability. The bearing grades of the XP 150 Series have excellent wear because of the encapsulated graphite used. The XP 150 Series of Polyimides are non-melting high temperature materials with high strength over a wide range of temperatures, good long term thermal stability, minimal thermal expansion and excellent wear resistance along with good chemical resistance. Typical Applications: Bearings and Bushings Ball Valve Seats Semiconductor Processing

Equipment Gears Tanks Electrical Components Pump Parts Hydraulic Components Gaskets Circuit Boards Information provided by Ensinger Special Polymers, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ensinger-XP-154-Compression-Molded-PI-Compound-40-Graphite-Premium-Grade.php

Physical Properties	Metric	English	Comments
Density	1.54 g/cc	0.0556 lb/in ³	ASTM D792
Filler Content	40 %	40 %	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	82	82	ASTM D2240
Tensile Strength	45.5 MPa	6600 psi	ASTM D638
Elongation at Break	1.2 %	1.2 %	ASTM D638
Tensile Modulus	7.58 GPa	1100 ksi	ASTM D638
Flexural Strength	75.8 MPa	11000 psi	ASTM D790
Flexural Modulus	6.41 GPa	930 ksi	ASTM D790

Descriptive Properties	Value	Comments
Color	Black	

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