

Ensinger XP-131 Compression Molded Unfilled PI

Category : Polymer , Thermoplastic , Polyimide , Thermoplastic , Thermoplastic Polyimide , Unfilled

Material Notes:

The XP-130 is an amorphous high performance thermoplastic with high permanent temperature and creep resistance as well as excellent bearing and wear properties, excellent long term thermal stability and creep resistance. The XP 130 Series of Polyimide is a non-melting high temperature thermoplastic 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. Applications: Thermal & electrical insulators Switch Parts Vacuum Seals Plug Parts Chip Carriers Hot glass gripper fingers Balls for control valves Housing Parts Welding Equipment Information provided by Ensinger Special Polymers, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ensinger-XP-131-Compression-Molded-Unfilled-PI.php

Physical Properties	Metric	English	Comments
Density	1.34 g/cc	0.0484 lb/in ³	ASTM D792
Filler Content	0.00 %	0.00 %	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	89	89	ASTM D2240
Tensile Strength	64.1 MPa	9300 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Tensile Modulus	4.00 GPa	580 ksi	ASTM D638
Flexural Strength	82.7 MPa	12000 psi	ASTM D790
Flexural Modulus	3.79 GPa	550 ksi	ASTM D790

Descriptive Properties	Value	Comments
Color	Dark Brown	

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