

## Ensinger XP-150 Compression Molded Polyimide Unfilled, Premium Grade

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

**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 XP 150 unfilled premium grade has very low extractables, making it suitable for use in semiconductor applications. 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-150-Compression-Molded-Polyimide-Unfilled-Premium-Grade.php](http://www.lookpolymers.com/polymer_Ensinger-XP-150-Compression-Molded-Polyimide-Unfilled-Premium-Grade.php)

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

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	90	90	ASTM D2240
Tensile Strength	58.6 MPa	8500 psi	ASTM D638
Elongation at Break	1.8 %	1.8 %	ASTM D638
Tensile Modulus	4.14 GPa	600 ksi	ASTM D638
Flexural Strength	77.2 MPa	11200 psi	ASTM D790
Flexural Modulus	3.59 GPa	520 ksi	ASTM D790

Descriptive Properties	Value	Comments
Color	Dark Brown	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China