

## Isoflon PTFE + 25% Glass Polytetrafluoroethylene with 25% Glass

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE , Polytetrafluoroethylene (PTFE), Glass Filled, Molded

**Material Notes:**

Properties: Improved compression and wear resistance Excellent chemical stability Better thermal conductivity Applications: Dynamic seals with rotating or alternating motion. Information provided by Isoflon.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Isoflon-PTFE-25-Glass-Polytetrafluoroethylene-with-25-Glass.php](http://www.lookpolymers.com/polymer_Isoflon-PTFE-25-Glass-Polytetrafluoroethylene-with-25-Glass.php)

Physical Properties	Metric	English	Comments
Specific Gravity	2.23 - 2.26 g/cc	2.23 - 2.26 g/cc	ASTM D792
Deformation	5.0 - 6.0 %	5.0 - 6.0 %	Permanent, after Relaxation; ASTM D695
	@Time 86400 sec	@Time 24.0 hour	
	10 - 12 %	10 - 12 %	Under Load; ASTM D621
	@Pressure 0.0000140 MPa, Time 86400 sec	@Pressure 0.00203 psi, Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60 - 65	60 - 65	ASTM D2240
Tensile Strength	13.0 - 18.0 MPa	1890 - 2610 psi	ASTM D4894
Elongation at Break	180 - 220 %	180 - 220 %	ASTM D4894
Coefficient of Friction, Dynamic	0.070	0.070	ASTM D1894

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.410 W/m-K	2.85 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	ASTM D C177
Maximum Service Temperature, Air	260 <sup>o</sup> C	500 <sup>o</sup> F	
Minimum Service Temperature, Air	-200 <sup>o</sup> C	-328 <sup>o</sup> F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	ASTM D257

## Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

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