

Sichuan Deyang Haton® hGR50 Polyphenylene Sulfide, Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS) with 50% Glass Fiber Filler

Material Notes:

Injection molding Information provided by Sichuan Deyang Chemical Co., LTD

Order this product through the following link:

http://www.lookpolymers.com/polymer_Sichuan-Deyang-Haton-hGR50-Polyphenylene-Sulfide-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.72 g/cc	0.0621 lb/in ³	GB/T 1033.1-2008
Water Absorption	0.020 %	0.020 %	GB/T 1034-2008
Linear Mold Shrinkage, Flow	0.0020 cm/cm	0.0020 in/in	GB/T 15585-1995
Linear Mold Shrinkage, Transverse	0.0067 cm/cm	0.0067 in/in	GB/T 15585-1995

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell L	110	110	GB/T 3398.2-2008
Tensile Strength	185 MPa	26800 psi	GB/T 1040.2-2006
Elongation at Break	1.2 %	1.2 %	GB/T 1040.2-2006
Flexural Strength	272 MPa	39500 psi	GB/T 9341-2008
Flexural Modulus	16.8 GPa	2440 ksi	GB/T 9341-2008
Izod Impact, Notched (ISO)	15.0 kJ/m ²	7.14 ft-lb/in ²	GB/T 1843-2008
Izod Impact, Unnotched (ISO)	46.0 kJ/m ²	21.9 ft-lb/in ²	GB/T 1843-2008

Thermal Properties	Metric	English	Comments
Melting Point	280 Â°C	536 Â°F	GBT/T 19466.3-2004
Deflection Temperature at 1.8 MPa (264 psi)	268 Â°C	514 Â°F	GB/T 1634.2-2004
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.00e+16 ohm-cm	2.00e+16 ohm-cm	GB/T1410-2006
Surface Resistivity per Square	8.00e+15 ohm	8.00e+15 ohm	GB/T1410-2006
Dielectric Constant	4.0	4.0	GB/T 1409-2006

Dielectric Strength Electrical Properties	16.0 kV/mm Metric	406 kV/in English	GB/T1408.1-2006 Comments
Dissipation Factor	0.0010	0.0010	GB/T 1409-2006

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