

Sichuan Deyang Haton® hGR40DL Polyphenylene Sulfide, Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS) with 40% Glass Fiber Filler

Material Notes:

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

Order this product through the following link:

http://www.lookpolymers.com/polymer_Sichuan-Deyang-Haton-hGR40DL-Polyphenylene-Sulfide-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.67 g/cc	0.0603 lb/in ³	GB/T 1033.1-2008
Water Absorption	0.020 %	0.020 %	GB/T 1034-2008
Linear Mold Shrinkage, Flow	0.0025 cm/cm	0.0025 in/in	GB/T 15585-1995
Linear Mold Shrinkage, Transverse	0.0075 cm/cm	0.0075 in/in	GB/T 15585-1995

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell L	108	108	GB/T 3398.2-2008
Tensile Strength	180 MPa	26100 psi	GB/T 1040.2-2006
Elongation at Break	1.4 %	1.4 %	GB/T1040.2-2006
Flexural Strength	265 MPa	38400 psi	GB/T 9341-2008
Flexural Modulus	14.9 GPa	2160 ksi	GB/T 9341-2008
Izod Impact, Notched (ISO)	16.0 kJ/m ²	7.61 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 °C	536 °F	GBT/T 19466.3-2004
Deflection Temperature at 1.8 MPa (264 psi)	268 °C	514 °F	GB/T 1634.2-2004
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	3.30e+16 ohm-cm	3.30e+16 ohm-cm	GB/T1410-2006
Surface Resistivity per Square	7.00e+15 ohm	7.00e+15 ohm	GB/T1410-2006
Dielectric Constant			GB/T 1409-2006

Electrical Properties	^{4.0} Metric	^{4.0} English	Comments
Dielectric Strength	16.0 kV/mm	406 kV/in	GB/T1408.1-2006
Dissipation Factor	0.0020	0.0020	GB/T 1409-2006

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