

Sichuan Deyang Haton® hXGR41 Polyphenylene Sulfide

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS)

Material Notes:

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

Order this product through the following link:

http://www.lookpolymers.com/polymer_Sichuan-Deyang-Haton-hXGR41-Polyphenylene-Sulfide.php

Physical Properties	Metric	English	Comments
Density	1.57 g/cc	0.0567 lb/in ³	GB/T 1033.1-2008
Water Absorption	0.020 %	0.020 %	GB/T 1034-2008
Linear Mold Shrinkage, Flow	0.0038 cm/cm	0.0038 in/in	GB/T 15585-1995
Linear Mold Shrinkage, Transverse	0.0088 cm/cm	0.0088 in/in	GB/T 15585-1995

Mechanical Properties	Metric	English	Comments
Tensile Strength	116 MPa	16800 psi	GB/T 1040.2-2006
Elongation at Break	3.1 %	3.1 %	GB/T 1040.2-2006
Flexural Strength	176 MPa	25500 psi	GB/T 9341-2008
Flexural Modulus	11.0 GPa	1600 ksi	GB/T 9341-2008
Izod Impact, Notched (ISO)	22.0 kJ/m ²	10.5 ft-lb/in ²	GB/T 1843-2008
Izod Impact, Unnotched (ISO)	48.0 kJ/m ²	22.8 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)	252 Â°C	486 Â°F	GB/T 1634.2-2004
Flammability, UL94	V-2	V-2	

Electrical Properties	Metric	English	Comments
Volume Resistivity	4.60e+16 ohm-cm	4.60e+16 ohm-cm	GB/T1410-2006
Surface Resistivity per Square	6.00e+15 ohm	6.00e+15 ohm	GB/T1410-2006
Dielectric Constant	4.0	4.0	GB/T 1409-2006
Dielectric Strength	16.0 kV/mm	406 kV/in	GB/T1408.1-2006

Designation Factor Electrical Properties	0.0020 Metric	0.0020 English	GB/T 1409-2006 Comments
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