

Sichuan Deyang Haton® hMR61 Polyphenylene Sulfide, Glass & Mineral Reinforced

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS), Mineral/Glass-Fiber Filled

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-hMR61-Polyphenylene-Sulfide-Glass-Mineral-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.96 g/cc	0.0708 lb/in ³	GB/T 1033.1-2008
Water Absorption	0.020 %	0.020 %	GB/T 1034-2008
Linear Mold Shrinkage, Flow	0.0015 cm/cm	0.0015 in/in	GB/T 15585-1995
Linear Mold Shrinkage, Transverse	0.0052 cm/cm	0.0052 in/in	GB/T 15585-1995

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell L	107	107	GB/T 3398.2-2008
Tensile Strength	156 MPa	22600 psi	GB/T 1040.2-2006
Elongation at Break	1.0 %	1.0 %	GB/T1040.2-2006
Flexural Strength	228 MPa	33100 psi	GB/T 9341-2008
Flexural Modulus	18.1 GPa	2630 ksi	GB/T 9341-2008
Izod Impact, Notched (ISO)	9.00 kJ/m ²	4.28 ft-lb/in ²	GB/T 1843-2008
Izod Impact, Unnotched (ISO)	50.0 kJ/m ²	23.8 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)	270 °C	518 °F	GB/T 1634.2-2004
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.60e+16 ohm-cm	1.60e+16 ohm-cm	GB/T1410-2006
Surface Resistivity per Square	3.00e+15 ohm	3.00e+15 ohm	GB/T1410-2006
Dielectric Constant			GB/T 1409-2006

Electrical Properties	5.0 Metric	5.0 English	Comments
Dielectric Strength	14.0 kV/mm	356 kV/in	GB/T1408.1-2006
Dissipation Factor	0.0010	0.0010	GB/T 1409-2006

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