

Sichuan Deyang Haton® hGC51 PPS / AE Polyphenylene Sulfide

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS), Conductive

Material Notes:

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

Order this product through the following link:

http://www.lookpolymers.com/polymer_Sichuan-Deyang-Haton-hGC51-PPS-AE-Polyphenylene-Sulfide.php

Physical Properties	Metric	English	Comments
Density	1.75 g/cc	0.0632 lb/in ³	GB/T 1033.1-2008
Water Absorption	0.020 %	0.020 %	GB/T 1034-2008
Linear Mold Shrinkage, Flow	0.0010 cm/cm	0.0010 in/in	GB/T 15585-1995
Linear Mold Shrinkage, Transverse	0.0020 cm/cm	0.0020 in/in	GB/T 15585-1995

Mechanical Properties	Metric	English	Comments
Tensile Strength	125 MPa	18100 psi	GB/T 1040.2-2006
Elongation at Break	0.30 %	0.30 %	GB/T 1040.2-2006
Flexural Strength	200 MPa	29000 psi	GB/T 9341-2008
Flexural Modulus	23.5 GPa	3410 ksi	GB/T 9341-2008
Izod Impact, Notched (ISO)	7.80 kJ/m ²	3.71 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
Dielectric Constant	4.0	4.0	GB/T 1409-2006
Dissipation Factor	0.0010	0.0010	GB/T 1409-2006

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