

Sichuan Deyang Haton[®] hCF41 Polyphenylene Sulfide

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

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-hCF41-Polyphenylene-Sulfide.php

Physical Properties	Metric	English	Comments
Density	1.51 g/cc	0.0546 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	0.0019 cm/cm	0.0019 in/in	GB/T 15585-1995

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell L	110	110	GB/T 3398.2-2008
Tensile Strength	188 MPa	27300 psi	GB/T 1040.2-2006
Elongation at Break	0.80 %	0.80 %	GB/T1040.2-2006
Flexural Strength	267 MPa	38700 psi	GB/T 9341-2008
Flexural Modulus	23.1 GPa	3350 ksi	GB/T 9341-2008
Izod Impact, Notched (ISO)	7.20 kJ/m ²	3.43 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
Insulation Resistance	4.50e+7 ohm	4.50e+7 ohm	GB/T 10064-2006

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