

## Sichuan Deyang Haton<sup>®</sup> hFR81 Polyphenylene Sulfide

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS)

**Material Notes:**Injection molding, reinforced  
Information provided by Sichuan Deyang Chemical Co., LTD

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Sichuan-Deyang-Haton-hFR81-Polyphenylene-Sulfide.php](http://www.lookpolymers.com/polymer_Sichuan-Deyang-Haton-hFR81-Polyphenylene-Sulfide.php)

Physical Properties	Metric	English	Comments
Density	2.11 g/cc	0.0762 lb/in <sup>3</sup>	GB/T 1033.1-2008
Water Absorption	0.020 %	0.020 %	GB/T 1034-2008
Linear Mold Shrinkage, Flow	0.00010 cm/cm	0.00010 in/in	GB/T 15585-1995
Linear Mold Shrinkage, Transverse	0.00010 cm/cm	0.00010 in/in	GB/T 15585-1995

Mechanical Properties	Metric	English	Comments
Tensile Strength	60.0 MPa	8700 psi	GB/T 1040.2-2006
Flexural Strength	100 MPa	14500 psi	GB/T 9341-2008
Flexural Modulus	17.0 GPa	2470 ksi	GB/T 9341-2008

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)	220 Â°C	428 Â°F	GB/T 1634.2-2004
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	2.40e+14 ohm	2.40e+14 ohm	GB/T1410-2006
Dielectric Constant	4.0	4.0	GB/T 1409-2006
Dielectric Strength	18.0 kV/mm	457 kV/in	GB/T1408.1-2006
Dissipation Factor	0.0020	0.0020	GB/T 1409-2006

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