

## Sichuan Deyang Haton® hGR31M1 Polyphenylene Sulfide

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS)

### 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-hGR31M1-Polyphenylene-Sulfide.php](http://www.lookpolymers.com/polymer_Sichuan-Deyang-Haton-hGR31M1-Polyphenylene-Sulfide.php)

Physical Properties	Metric	English	Comments
Density	1.55 g/cc	0.0560 lb/in <sup>3</sup>	GB/T 1033.1-2008
Water Absorption	0.020 %	0.020 %	GB/T 1034-2008
Linear Mold Shrinkage, Flow	0.0026 cm/cm	0.0026 in/in	GB/T 15585-1995
Linear Mold Shrinkage, Transverse	0.0078 cm/cm	0.0078 in/in	GB/T 15585-1995

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell L	102	102	GB/T 3398.2-2008
Tensile Strength	136 MPa	19700 psi	GB/T 1040.2-2006
Elongation at Break	2.1 %	2.1 %	GB/T1040.2-2006
Flexural Strength	218 MPa	31600 psi	GB/T 9341-2008
Flexural Modulus	11.2 GPa	1620 ksi	GB/T 9341-2008
Izod Impact, Notched (ISO)	17.2 kJ/m <sup>2</sup>	8.18 ft-lb/in <sup>2</sup>	GB/T 1843-2008
Izod Impact, Unnotched (ISO)	58.0 kJ/m <sup>2</sup>	27.6 ft-lb/in <sup>2</sup>	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)	262 °C	504 °F	GB/T 1634.2-2004
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.30e+16 ohm-cm	2.30e+16 ohm-cm	GB/T1410-2006
Surface Resistivity per Square	3.00e+15 ohm	3.00e+15 ohm	GB/T1410-2006
Dielectric Constant	4.0	4.0	GB/T 1409-2006

Dielectric Strength Electrical Properties	16.0 kV/mm Metric	406 kV/in English	GB/T1408.1-2006 Comments
Dissipation Factor	0.0020	0.0020	GB/T 1409-2006

## Contact Songhan Plastic Technology Co.,Ltd.

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