

## Sichuan Deyang Haton® hGR505 Polyphenylene Sulfide/PA Alloy

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

### 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-hGR505-Polyphenylene-SulfidePA-Alloy.php](http://www.lookpolymers.com/polymer_Sichuan-Deyang-Haton-hGR505-Polyphenylene-SulfidePA-Alloy.php)

Physical Properties	Metric	English	Comments
Density	1.70 g/cc	0.0614 lb/in <sup>3</sup>	GB/T 1033.1-2008
Water Absorption	0.040 %	0.040 %	GB/T 1034-2008
Linear Mold Shrinkage, Flow	0.0032 cm/cm	0.0032 in/in	GB/T 15585-1995
Linear Mold Shrinkage, Transverse	0.0032 cm/cm	0.0032 in/in	GB/T 15585-1995

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell L	110	110	GB/T 3398.2-2008
Tensile Strength	240 MPa	34800 psi	GB/T 1040.2-2006
Elongation at Break	1.7 %	1.7 %	GB/T1040.2-2006
Flexural Strength	340 MPa	49300 psi	GB/T 9341-2008
Flexural Modulus	18.9 GPa	2740 ksi	GB/T 9341-2008
Izod Impact, Notched (ISO)	16.0 kJ/m <sup>2</sup>	7.61 ft-lb/in <sup>2</sup>	GB/T 1843-2008
Izod Impact, Unnotched (ISO)	68.0 kJ/m <sup>2</sup>	32.4 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)	255 °C	491 °F	GB/T 1634.2-2004
Flammability, UL94	V-2	V-2	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.60e+16 ohm-cm	1.60e+16 ohm-cm	GB/T1410-2006
Surface Resistivity per Square	2.00e+15 ohm	2.00e+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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