

## Sichuan Deyang Haton® hGR302 PPS / F4 Polyphenylene Sulfide

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS)

### Material Notes:

Injection molding, anti-friction Information provided by Sichuan Deyang Chemical Co., LTD

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Sichuan-Deyang-Haton-hGR302-PPS-F4-Polyphenylene-Sulfide.php](http://www.lookpolymers.com/polymer_Sichuan-Deyang-Haton-hGR302-PPS-F4-Polyphenylene-Sulfide.php)

Physical Properties	Metric	English	Comments
Density	1.66 g/cc	0.0600 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	106	106	GB/T 3398.2-2008
Tensile Strength	159 MPa	23100 psi	GB/T 1040.2-2006
Elongation at Break	2.0 %	2.0 %	GB/T1040.2-2006
Flexural Strength	248 MPa	36000 psi	GB/T 9341-2008
Flexural Modulus	12.0 GPa	1740 ksi	GB/T 9341-2008
Izod Impact, Notched (ISO)	11.5 kJ/m <sup>2</sup>	5.47 ft-lb/in <sup>2</sup>	GB/T 1843-2008
Izod Impact, Unnotched (ISO)	43.0 kJ/m <sup>2</sup>	20.5 ft-lb/in <sup>2</sup>	GB/T 1843-2008
Coefficient of Friction	0.25	0.25	GB/T3960-1989

Thermal Properties	Metric	English	Comments
Melting Point	280 °C	536 °F	GBT/T 19466.3-2004
Deflection Temperature at 1.8 MPa (264 psi)	265 °C	509 °F	GB/T 1634.2-2004
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.90e+16 ohm-cm	1.90e+16 ohm-cm	GB/T1410-2006
Surface Resistivity per Square	2.30e+16 ohm	2.30e+16 ohm	GB/T1410-2006

Dielectric Constant Electrical Properties	4.0 Metric	4.0 English	GB/T 1409-2006 Comments
Dielectric Strength	16.0 kV/mm	406 kV/in	GB/T1408.1-2006
Dissipation Factor	0.0020	0.0020	GB/T 1409-2006

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China