

DuPont Performance Polymers Zytel® HTN 51G15HSL BK083 Polyphthalamide (PPA) (Unverified Data**)

Category : Polymer , Thermoplastic , Polyphthalamide (PPA) , Polyphthalamide (PPA), 20% Glass Fiber Reinforced

Material Notes:

15% Glass Reinforced PPA High Performance Polyamide Zytel HTN51G15HSL BK083 is a 15% glass reinforced heat stabilized lubricated high performance polyamide resin. It is also a PPA resin. Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Zytel-HTN-51G15HSL-BK083-Polyphthalamide-PPA-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in ³	DAM; ISO 1183
Viscosity Test	83 cm ³ /g	83 cm ³ /g	DAM; sulphuric acid 96%; ISO 307 1157 1628
Linear Mold Shrinkage, Flow	0.0030 cm/cm	0.0030 in/in	DAM; ISO 294-4 2577
Linear Mold Shrinkage, Transverse	0.0060 cm/cm	0.0060 in/in	DAM; ISO 294-4 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	110 MPa	16000 psi	DAM; ISO 527-1/-2
Elongation at Break	2.0 %	2.0 %	DAM; ISO 527-1/-2
Tensile Modulus	6.50 GPa	943 ksi	DAM; ISO 527-1/-2
Flexural Modulus	5.80 GPa	841 ksi	DAM; ISO 178
Izod Impact, Notched (ISO)	5.00 kJ/m ²	2.38 ft-lb/in ²	DAM; ISO 180/1A
	5.00 kJ/m ² @Temperature -40.0 °C	2.38 ft-lb/in ² @Temperature -40.0 °F	DAM; ISO 180/1A
Charpy Impact Unnotched	2.30 J/cm ²	10.9 ft-lb/in ²	DAM; ISO 179/1eU
Charpy Impact, Notched	0.500 J/cm ²	2.38 ft-lb/in ²	DAM; ISO 179/1eA
	0.500 J/cm ² @Temperature -40.0 °C	2.38 ft-lb/in ² @Temperature -40.0 °F	DAM; ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	300 °C	572 °F	DAM; first heat; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	276 °C	529 °F	DAM; ISO 75-1/-2

Thermal Properties	Metric	English	Comments
Flammability, UL94	HB	HB	DAM; IEC 60695-11-10
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	HB	HB	DAM; IEC 60695-11-10
	@Thickness 0.800 mm	@Thickness 0.0315 in	
Oxygen Index	23 %	23 %	DAM; ISO 4589-1/-2

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	DAM; IEC 60093
Comparative Tracking Index	575 V	575 V	DAM; IEC 60112

Descriptive Properties	Value	Comments
Part Marking Code	>PA6T/XT-GF15<	ISO 11469
	>PPA-GF15<	SAE J1344
Processing	Injection Moulding	
Regional Availability	Asia Pacific	
	Europe	
	Global	
	Near East/Africa	
	North America	
	South and Central America	
Special Characteristics	Heat stabilised or stable to heat	
UL recognition	UL	DAM

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China