DuPont Performance Polymers Zytel® HTN FR52G30BL BK337 Polyphthalamide (PPA) (Unverified Data**)

Category : Polymer , Thermoplastic , Polyphthalamide (PPA) , Polyphthalamide (PPA), 30% Glass Fiber Reinforced

Material Notes:

30% Glass Reinforced Flame Retardant PPA High Performance Polyamide Zytel HTNFR52G30BL BK337 is a 30% glass reinforced flame retardant lubricated high performance polyamide resin that has been developed for connector applications.Information provided by DuPont Performance Polymers

Order this product through the following link:
http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Zytel-HTN-FR52G30BL-BK337-Polyphthalamide-PPA-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.62 g/cc	0.0585 lb/in³	DAM; ISO 1183
Linear Mold Shrinkage, Flow	0.0030 cm/cm	0.0030 in/in	DAM; ISO 294-4 2577
Linear Mold Shrinkage, Transverse	0.0080 cm/cm	0.0080 in/in	DAM; ISO 294-4 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	160 MPa	23200 psi	DAM; ISO 527-1/-2
Elongation at Break	2.0 %	2.0 %	DAM; ISO 527-1/-2
Tensile Modulus	11.8 GPa	1710 ksi	DAM; ISO 527-1/-2
Flexural Strength	210 MPa	30500 psi	50%RH; ISO 178
	240 MPa	34800 psi	DAM; ISO 178
Flexural Modulus	10.0 GPa	1450 ksi	DAM; ISO 178
Charpy Impact Unnotched	3.50 J/cm²	16.7 ft-lb/in²	50%RH; ISO 179/1eU
	5.00 J/cm²	23.8 ft-lb/in²	DAM; ISO 179/1eU
	3.50 J/cm² @Temperature -30.0 °C	16.7 ft-lb/in² @Temperature -22.0 °F	50%RH; ISO 179/1eU
	4.00 J/cm² @Temperature -30.0 °C	19.0 ft-lb/in² @Temperature -22.0 °F	DAM; ISO 179/1eU
Charpy Impact, Notched	1.00 J/cm²	4.76 ft-lb/in²	DAM; ISO 179/1eA
	1.00 J/cm² @Temperature -30.0 °C	4.76 ft-lb/in² @Temperature -22.0 °F	DAM; ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	20.0 µm/m-°C	11.1 µin/in-°F	DAM; ISO 11359-1/-2
	20.0 µm/m-°C @Temperature -40.0 - 23.0 °C	11.1 µin/in-°F @Temperature -40.0 - 73.4 °F	DAM; ISO 11359-1/-2
	100 µm/m-°C @Temperature 55.0 - 160 °C	55.6 µin/in-°F @Temperature 131 - 320 °F	DAM; ISO 11359-1/-2
CTE, linear, Transverse to Flow	63.0 µm/m-°C	35.0 µin/in-°F	DAM; ISO 11359-1/-2
	10.0 µm/m-°C @Temperature 55.0 - 160 °C	5.56 µin/in-°F @Temperature 131 - 320 °F	DAM; ISO 11359-1/-2
	57.0 µm/m-°C @Temperature -40.0 - 23.0 °C	31.7 µin/in-°F @Temperature -40.0 - 73.4 °F	DAM; ISO 11359-1/-2
Melting Point	310 °C	590 °F	DAM; first heat; ISO 11357-1/-3
Deflection Temperature at 1.8 MPa (264 psi)	282 °C	540 °F	DAM; ISO 75-1/-2
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	DAM; IEC 60695-11-10
	V-0 @Thickness 0.800 mm	V-0 @Thickness 0.0315 in	DAM; IEC 60695-11-10
	5VA @Thickness 1.50 mm	5VA @Thickness 0.0591 in	DAM; IEC 60695-11-20

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+15 ohm-cm	>= 1.00e+15 ohm-cm	DAM; IEC 60093
Dielectric Constant	3.3 @Frequency 1.00e+6 Hz	3.3 @Frequency 1.00e+6 Hz	DAM; IEC 60250
	3.5 @Frequency 100 Hz	3.5 @Frequency 100 Hz	DAM; IEC 60250
Dissipation Factor	0.0050 @Frequency 100 Hz	0.0050 @Frequency 100 Hz	DAM; IEC 60250

Electrical Properties	Metric	English	Comments
	0.0135 @Frequency 1.00e+6 Hz	0.0135 @Frequency 1.00e+6 Hz	DAM; IEC 60250

Descriptive Properties	Value	Comments
Emission of organic compounds	35 µgC/g	VDA 277
Odour	class 3	VDA 270
Part Marking Code	>PA6T/66-GF30FR<	ISO 11469
	>PPA-GF30FR<	SAE J1344
Processing	Injection Moulding	
Regional Availability	Asia Pacific	
	Europe	
	Global	
	Near East/Africa	
	North America	
	South and Central America	
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