Zytel® HTNFR52G45NHF BK337

PA6T/66-GF45 FR(40) Celanese

Product Texts

Zytel® HTNFR52G45NHF BK337 is a 45% Glass Reinforced, Flame Retardant, High Performance Polyamide with improved flow. It is also a PPA resin and it uses a non-halogenated flame retardant.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
[C] Molding shrinkage, parallel	**0.2 / ***	%	ISO 294-4, 2577
[C] Molding shrinkage, normal	**0.6 / ***	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**15700 / -**	MPa	ISO 527
[C] Stress at break	**174 / -**	MPa	ISO 527
[C] Strain at break	**1.8 / -**	%	ISO 527
[C] Charpy impact strength, +23°C	**47 / -**	kJ/m²	ISO 179/1eU
[C] Charpy impact strength, -30°C	**45 / -**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**8 / -**	kJ/m²	ISO 179/1eA
[C] Charpy notched impact strength, -30°C	**8 / -**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Glass transition temperature, 10°C/min	**90 / ***	°C	ISO 11357-1/-2
[C] Temp. of deflection under load, 1.80 MPa	**283 / ***	°C	ISO 75-1/-2
[C] Coeff. of linear therm. expansion, parallel	**17 / ***	E-6/K	ISO 11359-1/-2
[C] Coeff. of linear therm. expansion, normal	**55 / ***	E-6/K	ISO 11359-1/-2
[C] Burning Behav. at thickness h	**V-0 / ***	class	IEC 60695-11-10
Thickness tested	**0.4 / ***	mm	-
Yellow Card available	**yes / ***	-	-

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Volume resistivity	**>1E13 / -**	Ohm*m	IEC 62631-3-1

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
[C] Density	**1610 / -**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Regional Availability

North America, Europe, Asia Pacific, South and Central America

Special Characteristics

Flame retardant, Halogen-free

Other text information

Injection molding

For molding machine components, use corrosion resistant and wear resistant steel. For details please contact our representative. Limit the residence time of the resin in the machine. Use proper protective equipment and adequate ventilation.