

Zytel® HTN FR52G30NH BK337

HIGH PERFORMANCE POLYAMIDE RESIN

DuPont Performance Polymers

Message:

30% Glass Reinforced, Flame Retardant, Non-Halogenated, PPA, High Performance Polyamide

General Information			
UL YellowCard	E41938-521871		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Agency Ratings	UL Unspecified Rating		
Processing Method	Injection Molding		
Multi-Point Data	Isothermal Stress vs. Strain (ISO 11403-1)		
	Secant Modulus vs. Strain (ISO 11403-1)		
Part Marking Code (ISO 11469)	>PA6T/66-GF30FR<		
Part Marking Code (SAE J1344)	>PPA-GF30FR<		
Physical	Nominal Value	Unit	Test Method
Density	1.44	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	1.0	%	
Flow	0.30	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10000	MPa	ISO 527-2
Tensile Stress (Break)	150	MPa	ISO 527-2
Tensile Strain (Break)	2.2	%	ISO 527-2
Flexural Modulus	8700	MPa	ISO 178
Flexural Stress	230	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	283	°C	ISO 75-2/A
Melting Temperature ¹	310	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+15	ohms·cm	IEC 60093
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flammability Classification			IEC 60695-11-10, -20
0.400 mm	V-0		
1.50 mm	V-0		

Oxygen Index	36	%	ISO 4589-2
NOTE			

1.	First Heat
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