

Zytel® HTN 52GM50EF WT001

HIGH PERFORMANCE POLYAMIDE RESIN

DuPont Performance Polymers

Message:

50% Glass/Mineral Reinforced, PPA, High Performance Polyamide

General Information			
Filler / Reinforcement	Glass\Mineral,50% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Part Marking Code (ISO 11469)	>PA6T/66-(MD+GF)45<		
Part Marking Code (SAE J1344)	>PPA-(MD+GF)45<		
Physical	Nominal Value	Unit	Test Method
Density	1.70	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	1.0	%	
Flow	0.60	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7000	MPa	ISO 527-2
Tensile Stress (Break)	80.0	MPa	ISO 527-2
Tensile Strain (Break)	1.3	%	ISO 527-2
Flexural Modulus	6100	MPa	ISO 178
Flexural Stress	130	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	200	°C	ISO 75-2/A
Melting Temperature ¹	310	°C	ISO 11357-3
CLTE			ISO 11359-2
Flow	4.5E-5	cm/cm/°C	
Flow : -40 to 23°C	4.3E-5	cm/cm/°C	
Flow : 55 to 160°C	5.1E-5	cm/cm/°C	
Transverse	6.0E-5	cm/cm/°C	
Transverse : -40 to 23°C	5.3E-5	cm/cm/°C	
Transverse : 55 to 160°C	8.6E-5	cm/cm/°C	
NOTE			
1.	First Heat		

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