

Zytel® FE270088 BK099

NYLON RESIN
DuPont Performance Polymers

Message:
30% Glass Reinforced, Heat Stabilized, Polyamide 66

General Information				
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight			
Additive	heat stabilizer			
Features	Thermal Stability			
RoHS Compliance	Contact manufacturer			
Forms	Particle			
Part Marking Code (ISO 11469)	>PA66-GF30			
Resin ID (ISO 1043)	PA66-GF30			
Physical	Dry	Conditioned	Unit	Test Method
Density	1.37	--	g/cm ³	ISO 1183
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	8400	7300	MPa	ISO 527-2
Tensile Stress (Break)	160	--	MPa	ISO 527-2
Tensile Strain (Break)	2.5	--	%	ISO 527-2
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	--	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	44	50	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	250	--	°C	ISO 75-2/A
Melting Temperature ¹	258	--	°C	ISO 11357-3
Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate ² (1.00 mm)	< 100	--	mm/min	ISO 3795
FMVSS Flammability	B	--		FMVSS 302
Melt Temperature, Optimum	295		°C	
Mold Temperature, Optimum	100		°C	
Drying Recommended	yes			
Hold Pressure Time	3.00		s/mm	
Maximum Screw Tangential Speed	200		mm/sec	
Fill Analysis	Dry	Conditioned	Unit	

Ejection Temperature	210	--	°C
Injection	Dry	Unit	
Drying Temperature	80		°C
Drying Time - Desiccant Dryer	2.0 - 4.0		hr
Suggested Max Moisture	0.20		%
Processing (Melt) Temp	285 - 305		°C
Mold Temperature	70 - 120		°C
Holding Pressure	50.0 - 100		MPa
NOTE			
1.	10°C/min		
2.	FMVSS 302		

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Recommended distributors for this material

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