

Zytel® 70G33L BK031

NYLON RESIN
DuPont Performance Polymers

Message:
33% Glass Reinforced Polyamide 66

General Information				
UL YellowCard		E41938-234410		
Filler / Reinforcement		Glass Fiber,33% Filler by Weight		
Processing Method		Injection Molding		
Part Marking Code (ISO 11469)		>PA66-GF33<		
Resin ID (ISO 1043)		PA66-GF33		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.39	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	1.1	--	%	
Flow	0.30	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	10500	8000	MPa	ISO 527-2
Tensile Stress (Break)	200	140	MPa	ISO 527-2
Tensile Strain (Break)	3.0	4.0	%	ISO 527-2
Flexural Modulus	9300	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-40°C	9.0	--	kJ/m ²	
23°C	13	13	kJ/m ²	
Charpy Unnotched Impact Strength (23°C)				ISO 179/1eU
80		80	kJ/m ²	
Notched Izod Impact Strength				ISO 180/1A
-40°C	10	--	kJ/m ²	
23°C	12	--	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	261	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	252	--	°C	ISO 75-2/A
Melting Temperature ¹	262	--	°C	ISO 11357-3
CLTE				ISO 11359-2
Flow	1.8E-5	--	cm/cm/°C	

Transverse	8.3E-5	--	cm/cm/°C	
Electrical	Dry	Conditioned	Unit	Test Method
Comparative Tracking Index	600	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate (1.00 mm)	35	--	mm/min	ISO 3795
Flammability Classification (0.710 mm)	HB	--		IEC 60695-11-10, -20
NOTE				
1.	10°C/min			

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