

Zytel® 70G13HS1L BK031

NYLON RESIN
DuPont Performance Polymers

Message:
13% Glass Reinforced, Heat Stabilized, Polyamide 66

General Information				
UL YellowCard		E41938-234399		
Filler / Reinforcement		Glass Fiber,13% Filler by Weight		
Additive		Heat Stabilizer		
Features		Heat Stabilized		
Processing Method		Injection Molding		
Part Marking Code (ISO 11469)		>PA66-GF13<		
Resin ID (ISO 1043)		PA66-GF13		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.23	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	1.0	--	%	
Flow	0.50	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	5500	3500	MPa	ISO 527-2
Tensile Stress (Break)	120	75.0	MPa	ISO 527-2
Tensile Strain (Break)	2.7	12	%	ISO 527-2
Flexural Modulus	4900	--	MPa	ISO 178
Flexural Stress	190	100	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-40°C	4.5	--	kJ/m ²	
23°C	5.0	--	kJ/m ²	
Notched Izod Impact Strength				ISO 180/1A
-40°C	4.5	--	kJ/m ²	
23°C	4.5	--	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	258	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	238	--	°C	ISO 75-2/A
Melting Temperature ¹	262	--	°C	ISO 11357-3
CLTE				ISO 11359-2

Flow	4.0E-5	--	cm/cm/°C
Transverse	9.6E-5	--	cm/cm/°C
Flammability	Dry	Conditioned	Test Method
Flammability Classification (0.710 mm)	HB	--	IEC 60695-11-10, -20
NOTE			
1.	10°C/min		

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