

Zytel® 73G35HSL BK262

NYLON RESIN
DuPont Performance Polymers

Message:
35% Glass Reinforced, Heat Stabilized, Polyamide 6

General Information				
UL YellowCard		E41938-234342		
Filler / Reinforcement		Glass Fiber,35% Filler by Weight		
Additive		Heat Stabilizer		
		Lubricant		
		Mold Release		
Features		Heat Stabilized		
		Lubricated		
Forms		Pellets		
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)		>PA6-GF35<		
Resin ID (ISO 1043)		PA6-GF35		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.41	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	1.0	--	%	
Flow	0.20	--	%	
Water Absorption				ISO 62
23°C, 24 hr, 2.00 mm	5.8	--	%	
Equilibrium, 23°C, 2.00 mm, 50% RH	1.8	--	%	
Viscosity Number	140	--	cm ³ /g	ISO 307
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	11000	6500	MPa	ISO 527-2
Tensile Stress (Break)	190	115	MPa	ISO 527-2
Tensile Strain (Break)	3.2	5.0	%	ISO 527-2
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-40°C	11	12	kJ/m ²	

-30°C	10	10	kJ/m ²	
23°C	16	22	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	90	90	kJ/m ²	
23°C	90	90	kJ/m ²	
Notched Izod Impact Strength (23°C)				ISO 180/1A
	13	20	kJ/m ²	
Multi-Axial Instrumented Impact Energy (23°C)				ISO 6603-2
	3.00	6.00	J	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	220	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	208	--	°C	ISO 75-2/A
Vicat Softening Temperature				
	215	--	°C	ISO 306/B50
Melting Temperature ¹				
	221	--	°C	ISO 11357-3
CLTE				
				ISO 11359-2
Flow	2.0E-5	--	cm/cm/°C	
Transverse	1.1E-4	--	cm/cm/°C	
Flammability	Dry	Conditioned		Test Method
Flammability Classification (1.50 mm)				
	HB	--		IEC 60695-11-10, -20
NOTE				
1.	10°C/min			

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