

Zytel® 80G25HS BK117

NYLON RESIN

DuPont Performance Polymers

Message:

25% Glass Reinforced, Toughened, Heat Stabilized, Polyamide 66

General Information				
Filler / Reinforcement		Glass Fiber,25% Filler by Weight		
Additive		Heat Stabilizer		
Features		Heat Stabilized		
Processing Method		Injection Molding		
Part Marking Code (ISO 11469)		>PA66-IGF25<		
Resin ID (ISO 1043)		PA66-IGF25		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.25	--	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.30	--	%	ISO 294-4
Viscosity Number	140	--	cm ³ /g	ISO 307
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	6900	4700	MPa	ISO 527-2
Tensile Stress (Break)	122	87.0	MPa	ISO 527-2
Tensile Strain (Break)	4.0	8.0	%	ISO 527-2
Flexural Modulus	6000	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	14	13	kJ/m ²	
23°C	22	24	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	89	87	kJ/m ²	
23°C	83	81	kJ/m ²	
Notched Izod Impact Strength				ISO 180/1A
-40°C	13	12	kJ/m ²	
-30°C	13	12	kJ/m ²	
23°C	20	23	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	240	--	°C	ISO 75-2/A

Melting Temperature ¹	262	--	°C	ISO 11357-3
NOTE				

1. 10°C/min

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