

Zytel® 80G14AHS BK099

NYLON RESIN

DuPont Performance Polymers

Message:

14% Glass Reinforced, Toughened, Heat Stabilized, Polyamide 66

General Information			
UL YellowCard	E41938-100313886		
Filler / Reinforcement	Glass Fiber,14% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Processing Method	Injection Molding		
Part Marking Code (ISO 11469)	>PA66-IGF14<		
Resin ID (ISO 1043)	PA66-IGF14		
Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	0.90	%	
Flow	0.70	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5000	MPa	ISO 527-2
Tensile Stress (Break)	110	MPa	ISO 527-2
Tensile Strain (Break)	3.8	%	ISO 527-2
Flexural Modulus	4400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	13	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	70	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength			ISO 180/1A
-40°C	6.0	kJ/m ²	
23°C	13	kJ/m ²	
Unnotched Izod Impact Strength (23°C)	55	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	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	263	°C	ISO 11357-3
CLTE			ISO 11359-2
Flow	4.0E-5	cm/cm/°C	
Transverse	1.0E-4	cm/cm/°C	
NOTE			

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