

OmniLon™ PA6/6 GR30 HSH BK1000

Polyamide 66

OMNI Plastics, LLC

Message:

OmniLon™ PA6/6 GR30 HSH BK1000 is a Polyamide 66 (Nylon 66) product filled with 30% glass fiber. It can be processed by injection molding and is available in North America. Primary characteristic: heat stabilizer.

General Information			
UL YellowCard	E138590-102012363		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm ³	ISO 1183/A
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	184	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	8700	MPa	ISO 178
Flexural Stress	275	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact Strength			ISO 180/1U
-40°C	9.0	kJ/m ²	
23°C	11	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	258	°C	ISO 75-2/B
1.8 MPa, Unannealed	245	°C	ISO 75-2/A
Melting Temperature (DSC) ¹	264	°C	ISO 3146
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	2.0	hr	
Suggested Max Moisture	0.15	%	
Rear Temperature	249	°C	
Middle Temperature	271	°C	
Front Temperature	282	°C	
Nozzle Temperature	277 to 293	°C	
Mold Temperature	65.6 to 82.2	°C	
NOTE			

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