

# OmniLon™ PA6/6 U GR33 BK1000

Polyamide 66

OMNI Plastics, LLC

Message:

OmniLon™ PA6/6 U GR33 BK1000 is a Polyamide 66 (Nylon 66) product filled with 33% glass fiber. It can be processed by injection molding and is available in North America.

General Information			
Filler / Reinforcement	Glass Fiber,33% Filler by Weight		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.39	g/cm³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	155	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	9660	MPa	ASTM D790
Flexural Strength (Break)	252	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	257	°C	
1.8 MPa, Unannealed	246	°C	
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.12	%	
Rear Temperature	271 to 293	°C	
Middle Temperature	271 to 293	°C	
Front Temperature	271 to 293	°C	
Nozzle Temperature	271 to 293	°C	
Processing (Melt) Temp	271 to 293	°C	
Mold Temperature	26.7 to 60.0	°C	
Back Pressure	0.345 to 0.689	MPa	

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