

OmniLon™ PA6 U GR13 BK1000

Polyamide 6

OMNI Plastics, LLC

Message:

13% Glass Reinforced, Utility Grade, Nylon 6

General Information			
Filler / Reinforcement	Glass Fiber,13% Filler by Weight		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	103	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	4490	MPa	ASTM D790
Flexural Strength	152	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	64	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	216	°C	
1.8 MPa, Unannealed, 3.18 mm	193	°C	
Flammability	Nominal Value		Test Method
Flame Rating (3.18 mm)	HB		Internal Method
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	238 to 271	°C	
Middle Temperature	238 to 271	°C	
Front Temperature	249 to 293	°C	
Nozzle Temperature	260 to 293	°C	
Processing (Melt) Temp	249 to 293	°C	
Mold Temperature	26.7 to 82.2	°C	
Back Pressure	0.345	MPa	

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Recommended distributors for this material

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