

OmniLon™ PA6/6 GMR30

Polyamide 66

OMNI Plastics, LLC

Message:

30% Glass/Mineral Reinforced, Nylon 6/6

General Information			
Filler / Reinforcement	Glass\Mineral,30% Filler by Weight		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38	g/cm³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	100	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	5860	MPa	ASTM D790
Flexural Strength	148	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	43	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.18 mm)	246	°C	ASTM D648
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	271 to 293	°C	
Middle Temperature	271 to 293	°C	
Front Temperature	271 to 304	°C	
Nozzle Temperature	271 to 293	°C	
Processing (Melt) Temp	271 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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