

OmniLon™ PA612 GR33 HS

Polyamide 6/12 Copolymer

OMNI Plastics, LLC

Message:

33% Glass Reinforced, Heat Stabilized, Nylon 6/12

General Information			
Filler / Reinforcement	Glass Fiber,33% Filler by Weight		
Features	Heat Stabilized		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	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	8960	MPa	ASTM D790
Flexural Strength	241	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	204	°C	
1.8 MPa, Unannealed, 3.18 mm	199	°C	
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.15	%	
Rear Temperature	260 to 282	°C	
Middle Temperature	271 to 293	°C	
Front Temperature	271 to 293	°C	
Nozzle Temperature	271 to 293	°C	
Processing (Melt) Temp	266 to 293	°C	
Mold Temperature	48.9 to 104	°C	
Back Pressure	0.345	MPa	

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Recommended distributors for this material

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