

OmniLon™ PAA GR30 HS

Polyamide

OMNI Plastics, LLC

Message:

30% Glass Reinforced, Reduced Moisture Absorption, Heat Stabilized, Polyamide

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Heat Stabilized		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	165	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	8270	MPa	ASTM D790
Flexural Strength	262	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	260	°C	
1.8 MPa, Unannealed, 3.18 mm	246	°C	
Flammability	Nominal Value		Test Method
Flame Rating (3.18 mm)	HB		Internal Method
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	318 to 324	°C	
Middle Temperature	324 to 329	°C	
Front Temperature	327 to 332	°C	
Nozzle Temperature	327 to 332	°C	
Processing (Melt) Temp	329 to 343	°C	
Mold Temperature	65.6 to 93.3	°C	
Back Pressure	0.345 to 0.689	MPa	

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