

OmniLon™ PA6/6 GR35 NHFR0 HS

Polyamide 66

OMNI Plastics, LLC

Message:

35% Glass Reinforced, Chlorine & Bromine Free, Flame Resistant, Heat Stabilized, Nylon 6/6

General Information			
Filler / Reinforcement	Glass Fiber,35% Filler by Weight		
Additive	Heat Stabilizer		
Features	Bromine Free		
	Chlorine Free		
	Flame Retardant		
	Heat Stabilized		
UL File Number	E138590		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.44	g/cm³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.10 to 0.40	%	
Across Flow	0.40 to 0.80	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	172	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	10300	MPa	ASTM D790
Flexural Strength	293	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	96	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	257	°C	
1.8 MPa, Unannealed, 3.18 mm	243	°C	
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm, Black	V-0		
3.00 mm, Black	V-0		
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 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	MPa

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Recommended distributors for this material

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