

OmniLon™ PA6 GR33 HS BCC12

Polyamide 6

OMNI Plastics, LLC

Message:

Electrically Conductive, 33% Glass Reinforced, Heat Stabilized, Nylon 6

General Information			
UL YellowCard	E138590-102186594		
Filler / Reinforcement	Glass Fiber,33% Filler by Weight		
Additive	Heat Stabilizer		
Features	Electrically Conductive		
	Heat Stabilized		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.45	g/cm³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	179	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	11000	MPa	ASTM D790
Flexural Strength	276	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	190	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	204	°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 to 1.0E+5	ohms	ASTM D257
Flammability	Nominal Value	Unit	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	0.15	%	
Rear Temperature	249 to 271	°C	
Middle Temperature	249 to 282	°C	
Front Temperature	249 to 282	°C	
Nozzle Temperature	249 to 282	°C	
Processing (Melt) Temp	249 to 282	°C	

Mold Temperature	26.7 to 71.1	°C
Back Pressure	0.345	MPa

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Recommended distributors for this material

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