

OmniLon™ PA6 GR13

Polyamide 6

OMNI Plastics, LLC

Message:

13% Glass Reinforced, Nylon 6

General Information			
UL YellowCard	E138590-102186594		
Filler / Reinforcement	Glass Fiber, 13% Filler by Weight		
UL File Number	E138590		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	124	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	5860	MPa	ASTM D790
Flexural Strength	228	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	74	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	199	°C	
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	HB		
3.00 mm	HB		
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	< 0.20	%	
Rear Temperature	249 to 282	°C	
Middle Temperature	260 to 293	°C	
Front Temperature	260 to 293	°C	
Nozzle Temperature	260 to 293	°C	
Processing (Melt) Temp	260 to 293	°C	
Mold Temperature	26.7 to 82.2	°C	
Back Pressure	0.345	MPa	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

