



OmniLon™
PA6/6 GMR30

30% Glass/Mineral Reinforced, Nylon 6/6

PHYSICAL	Units	ASTM/ISO Procedure	English	Metric
Specific Gravity		D792	1.38	1.38
Filler/Reinforcement	%	D5630	30	30
IMPACT				
Izod Impact Resistance Notched 1/8" bar, 73°F	ft.-lbs/in. (J/m)	D256	0.8	43
MECHANICAL				
Tensile Strength At Yield, 73°F	psi (MPa)	D638	14,500	100
Tensile Elongation	%	D638	3	3
Flexural Modulus	psi (MPa)	D790	850,000	5,861
Flexural Strength	psi (MPa)	D790	21,500	148
THERMAL				
Deflection Temperature 1/8" bar, 66 psi	°F (°C)	D648	475	246
1/8" bar, 264 psi	°F (°C)	D648	-	-
FLAMMABILITY				
Flame Resistance *Omni Internal Testing	.125"	UL94	HB*	HB*
RECOMMENDED PROCESSING CONDITIONS				
Drying Temperature			180° F	
Drying Time			2 to 4 Hours	
Maximum Moisture			0.20%	
Rear Zone(s)			520 to 560° F	
Middle Zone(s)			520 to 560° F	
Front Zone(s)			520 to 580° F	
Nozzle			520 to 560° F	
Mold Temperature			80 to 180° F	
Melt Temperature			520 to 560° F	
Back Pressure			50 psi	

Values are based on natural or black materials unless otherwise noted. Properties and values herein are based on laboratory test specimens and should not be used to establish minimum specification limits or fabricate tooling.

Omni does not guarantee the accuracy of this information or the suitability of this product in any given application or usage situation.