



**OmniCarb™**  
**PC/ABS GR10**  
 10% Glass Reinforced, PC/ABS

PHYSICAL	Units	ASTM/ISO Procedure	English	Metric
Melt Flow	g/10 min.	D1238	10	10
Specific Gravity		D792	1.22	1.22
Filler/Reinforcement	%	D5630	10	10
<b>IMPACT</b>				
Izod Impact Resistance Notched 1/8" bar, 73°F	ft.-lbs/in. (J/m)	D256	1.7	91
<b>MECHANICAL</b>				
Tensile Strength At Yield, 73°F	psi (MPa)	D638	8,200	57
Tensile Elongation	%	D638	3	3
Flexural Modulus	psi (MPa)	D790	450,000	3,103
Flexural Strength	psi (MPa)	D790	12,000	83
<b>THERMAL</b>				
Deflection Temperature 1/8" bar, 66 psi	°F (°C)	D648	270	132
1/8" bar, 264 psi	°F (°C)	D648	250	121
<b>FLAMMABILITY</b>				
Flame Resistance *Omni Internal Testing	.125"	UL94	HB*	HB*
<b>RECOMMENDED PROCESSING CONDITIONS</b>				
Drying Temperature			250° F	
Drying Time			3 to 4 Hours	
Maximum Moisture			0.02%	
Rear Zone(s)			480 to 560° F	
Middle Zone(s)			520 to 580° F	
Front Zone(s)			520 to 580° F	
Nozzle			520 to 580° F	
Mold Temperature			150 to 250° F	
Melt Temperature			520 to 580° F	
Back Pressure			25 to 50 psi	

Omni does not guarantee the accuracy of this information or the suitability of this product in any given application or usage situation. Values are based on natural materials unless otherwise noted. The addition of pigments and colorants can significantly affect final Properties. The Data and values herein are based on laboratory test specimens and should not be used to establish specification limits or fabricate tooling.