



**OmniCarb™**  
**PC/ABS 1228**

High Impact, Easy Flow PC/ABS

PHYSICAL	Units	ASTM/ISO Procedure	English	Metric
Melt Flow	g/10 min.	D1238	28	28
Specific Gravity		D792	1.12	1.12
<b>IMPACT</b>				
Izod Impact Resistance Notched 1/8" bar, 73°F	ft.-lbs/in. (J/m)	D256	12	641
<b>MECHANICAL</b>				
Tensile Strength At Yield, 73°F	psi (MPa)	D638	8,200	57
Tensile Elongation	%	D638	>50	>50
Flexural Modulus	psi (MPa)	D790	365,000	2,517
Flexural Strength	psi (MPa)	D790	13,600	94
<b>THERMAL</b>				
Deflection Temperature 1/8" bar, 66 psi	°F (°C)	D648	-	-
1/8" bar, 264 psi	°F (°C)	D648	210	99
<b>FLAMMABILITY</b>				
Flame Resistance *Omni Internal Testing	.125"	UL94	HB*	HB*
<b>RECOMMENDED PROCESSING CONDITIONS</b>				
Drying Temperature			220° F	
Drying Time			3-4 hrs. max.	
Maximum Moisture			0.02%	
Rear Zone(s)			440 to 500° F	
Middle Zone(s)			460 to 540° F	
Front Zone(s)			460 to 540° F	
Nozzle			460 to 540° F	
Mold Temperature			80 to 220° F	
Melt Temperature			460 to 540° F	
Back Pressure			50 to 100 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.