



**OmniCarb™**  
**PC/PET 325**  
 General Purpose, PC/PET

PHYSICAL	Units	ASTM/ISO Procedure	English	Metric
Melt Flow	g/10 min.	D1238	27	27
Specific Gravity		D792	1.21	1.21
<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	9,000	62
Tensile Elongation	%	D638	>75	>75
Flexural Modulus	psi (MPa)	D790	350,000	2,413
Flexural Strength	psi (MPa)	D790	13,500	93
<b>THERMAL</b>				
Deflection Temperature 1/8" bar, 66 psi	°F (°C)	D648	-	-
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			220° F	
Drying Time			3-6 hrs. max.	
Maximum Moisture			0.02%	
Rear Zone(s)			480 to 520° F	
Middle Zone(s)			480 to 530° F	
Front Zone(s)			480 to 530° F	
Nozzle			480 to 530° F	
Mold Temperature			80 to 180° F	
Melt Temperature			480 to 520° 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.