



**OmniCarb™**  
**PC/ASA 220 UV**

Easy Flow, UV Stabilized, PC/ASA

<b>PHYSICAL</b>	<b>Units</b>	<b>ASTM/ISO Procedure</b>	<b>English</b>	<b>Metric</b>
Melt Flow	g/10 min	D1238	20	20
Specific Gravity		D792	1.14	1.14
<b>IMPACT</b>				
Izod Impact Resistance Notched 1/8" bar, 73°F	ft.-lbs/in. (J/m)	D256	4.5	240
<b>MECHANICAL</b>				
Tensile Strength At Yield, 73°F	psi (MPa)	D638	7,800	54
Tensile Elongation	%	D638	3	3
Flexural Modulus	psi (MPa)	D790	320,000	2,206
Flexural Strength	psi (MPa)	D790	9,500	66
<b>THERMAL</b>				
Deflection Temperature 1/8" bar, 66 psi	°F (°C)	D648	-	-
1/8" bar, 264 psi	°F (°C)	D648	205	96
<b>FLAMMABILITY</b>				
Flame Resistance *Omni Internal Testing	.125"	UL94	HB*	HB*
<b>RECOMMENDED PROCESSING CONDITIONS</b>				
Drying Temperature			190° F	
Drying Time			4 hrs. max.	
Maximum Moisture			0.04%	
Rear Zone(s)			400 to 480° F	
Middle Zone(s)			420 to 500° F	
Front Zone(s)			420 to 500° F	
Nozzle			420 to 500° F	
Mold Temperature			80 to 140° F	
Melt Temperature			420 to 500° 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.