



**OmniCarb™**  
**PC/ABS 1024 CBFRO**

Non-Brominated, Non-Chlorinated, Flame Resistant PC/ABS

PHYSICAL	Units	ASTM/ISO Procedure	English	Metric
Melt Flow	g/10 min.	D1238	24	24
Specific Gravity		D792	1.19	1.19
<b>IMPACT</b>				
Izod Impact Resistance Notched 1/8" bar, 73 °F	ft.-lbs/in. (J/m)	D256	10	534
<b>MECHANICAL</b>				
Tensile Strength At Yield, 73 °F	psi (MPa)	D638	9,500	66
Tensile Elongation	%	D638	50	50
Flexural Modulus	psi (MPa)	D790	400,000	2,758
Flexural Strength	psi (MPa)	D790	13,700	94
<b>THERMAL</b>				
Deflection Temperature 1/8" bar, 66 psi	°F (°C)	D648	-	-
1/8" bar, 264 psi	°F (°C)	D648	200	93
<b>FLAMMABILITY</b>				
Flame Resistance *Omni Internal Testing	.125"	UL94	V-0*	V-0*
<b>RECOMMENDED PROCESSING CONDITIONS</b>				

Drying Temperature	200° F
Drying Time	2-4 hrs. max.
Maximum Moisture	0.02%
Rear Zone(s)	480 to 520° F
Middle Zone(s)	460 to 510° F
Front Zone(s)	440 to 500° F
Nozzle	440 to 500° F
Mold Temperature	80 to 180° F
Melt Temperature	445 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.