



OmniCarb™
PC 114 IM

Improved Impact Resistance, Siloxane Modified, Polycarbonate

PHYSICAL	Units	ASTM/ISO Procedure	English	Metric
Melt Flow	g/10 min.	D1238	14	14
Specific Gravity		D792	1.18	1.18
IMPACT				
Izod Impact Resistance Notched 1/8" bar, 73°F	ft.-lbs/in. (J/m)	D256	16	854
MECHANICAL				
Tensile Strength At Yield, 73°F	psi (MPa)	D638	7,900	55
Tensile Elongation	%	D638	>50	>50
Flexural Modulus	psi (MPa)	D790	325,000	2,241
Flexural Strength	psi (MPa)	D790	12,000	83
THERMAL				
Deflection Temperature 1/8" bar, 66 psi	°F (°C)	D648	-	-
1/8" bar, 264 psi	°F (°C)	D648	260	127
FLAMMABILITY				
Flame Resistance *Omni Internal Testing	.125"	UL94	HB*	HB*
RECOMMENDED PROCESSING CONDITIONS				
Drying Temperature			250° F	
Drying Time			3 to 4 Hours	
Maximum Moisture			0.02%	
Rear Zone(s)			480 to 560° F	
Middle Zone(s)			500 to 560° F	
Front Zone(s)			520 to 580° F	
Nozzle			520 to 580° F	
Mold Temperature			120 to 220° 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.