



OmniCarb™
PC 1212 CBFR0 HSV

Chlorine, Bromine & Antimony Free, Flame Resistant, Weatherable Polycarbonate

PHYSICAL	Units	ASTM/ISO Procedure	English	Metric
Melt Flow	g/10 min.	D1238	12	12
Specific Gravity		D792	1.23	1.23
IMPACT				
Izod Impact Resistance Notched 1/8" bar, 73°F	ft.-lbs/in. (J/m)	D256	12	641
MECHANICAL				
Tensile Strength At Yield, 73°F	psi (MPa)	D638	9,800	68
Tensile Elongation	%	D638	>40	>40
Flexural Modulus	psi (MPa)	D790	400,000	2,758
Flexural Strength	psi (MPa)	D790	15,500	107
THERMAL				
Deflection Temperature 1/8" bar, 66 psi	°F (°C)	D648	280	138
1/8" bar, 264 psi	°F (°C)	D648	260	127
FLAMMABILITY				
Flame Resistance *Omni Internal Testing	.125"	UL94	V-0*	V-0*

RECOMMENDED PROCESSING GUIDELINES

Drying Temperature	240° F
Drying Time	3 to 4 Hours
Maximum Moisture	0.02%
Rear Zone(s)	480 to 560° F
Middle Zone(s)	520 to 580° 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

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.