



OmniCarb™
PC/ABS 1220 CTI

Easy Flow, Cold Temperature Impact Resistant PC/ABS

PHYSICAL	Units	ASTM/ISO Procedure	English	Metric
Melt Flow	g/10 min.	D1238	20	20
Specific Gravity		D792	1.14	1.14

IMPACT

Izod Impact Resistance				
Notched 1/8" bar, 73 °F	ft.-lbs/in. (J/m)	D256	12	641
Notched 1/8" bar, -22 °F	ft.-lbs/in. (J/m)	D256	8	427

MECHANICAL

Tensile Strength				
At Yield, 73 °F	psi (MPa)	D638	8,300	57
Tensile Elongation	%	D638	130	130
Flexural Modulus	psi (MPa)	D790	341,000	2,351
Flexural Strength	psi (MPa)	D790	12,800	88

THERMAL

Deflection Temperature				
1/8" bar, 66 psi	°F (°C)	D648	-	-
1/8" bar, 264 psi	°F (°C)	D648	240	115

FLAMMABILITY

Flame Resistance	.125"	UL94	HB*	HB*
*Omni Internal Testing				

RECOMMENDED PROCESSING CONDITIONS

Drying Temperature	220 °F
Drying Time	3-4 hrs. max.
Maximum Moisture	0.02%
Rear Zone(s)	480 to 550 °F
Middle Zone(s)	490 to 570 °F
Front Zone(s)	500 to 560 °F
Nozzle	480 to 560 °F
Mold Temperature	100 to 200 °F
Melt Temperature	500 to 575 °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.