



OmniCarb™
PC/PBT 1020 FR0
 Flame Resistant, PC/PBT

PHYSICAL	Units	ASTM/ISO Procedure	English	Metric
Melt Flow	g/10 min.	D1238	14	14
Specific Gravity		D792	1.22	1.22

IMPACT

Izod Impact Resistance Notched 1/8" bar, 73°F	ft.-lbs/in. (J/m)	D256	10	534
--	-------------------	------	----	-----

MECHANICAL

Tensile Strength At Yield, 73°F	psi (MPa)	D638	8,900	61
Tensile Elongation	%	D638	45	45
Flexural Modulus	psi (MPa)	D790	350,000	2,413
Flexural Strength	psi (MPa)	D790	13,500	93

THERMAL

Deflection Temperature 1/8" bar, 66 psi	°F (°C)	D648	-	-
1/8" bar, 264 psi	°F (°C)	D648	210	99

FLAMMABILITY

Flame Resistance *Omni Internal Testing	.125"	UL94	V-0*	V-0*
--	-------	------	------	------

RECOMMENDED PROCESSING CONDITIONS

Drying Temperature	220° F
Drying Time	3-6 hrs. max.
Maximum Moisture	0.02%
Rear Zone(s)	480 to 520° F
Middle Zone(s)	480 to 530° F
Front Zone(s)	480 to 530° F
Nozzle	480 to 530° F
Mold Temperature	80 to 180° F
Melt Temperature	480 to 520° 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.