



OmniTech™
PBT IM15N

Highly Impact Resistant, Nucleated, PBT

PHYSICAL	Units	ASTM/ISO Procedure	English	Metric
Melt Flow	g/10 min.	D1238	8	8
Specific Gravity		D792	1.26	1.26
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	6,200	43
Tensile Elongation	%	D638	60	60
Flexural Modulus	psi (MPa)	D790	275,000	1,896
Flexural Strength	psi (MPa)	D790	9,400	65
THERMAL				
Deflection Temperature 1/8" bar, 66 psi	°F (°C)	D648	-	-
1/8" bar, 264 psi	°F (°C)	D648	129	54
FLAMMABILITY				
Flame Resistance *Omni Internal Testing	.125"	UL94	HB*	HB*
RECOMMENDED PROCESSING CONDITIONS				
Drying Temperature			250 °F	
Drying Time			2 - 4 hrs. max.	
Maximum Moisture			0.02%	
Rear Zone(s)			450 to 500 °F	
Middle Zone(s)			470 to 510 °F	
Front Zone(s)			470 to 510 °F	
Nozzle			480 to 510 °F	
Mold Temperature			85 to 250 °F	
Melt Temperature			465 to 500 °F	

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.