



OmniTech™
PBT 150
 General Purpose PBT

PHYSICAL	Units	ASTM/ISO Procedure	English	Metric
Specific Gravity		D792	1.31	1.31
IMPACT				
Izod Impact Resistance notched 1/8" bar, 73 °F	ft.-lbs/in. (J/m)	D256	0.7	37
MECHANICAL				
Tensile Strength, Yld.	psi (MPa)	D638	8,300	57
Tensile Elongation	%	D638	200	200
Flexural Modulus	psi (MPa)	D790	345,000	2,379
Flexural Strength	psi (MPa)	D790	11,600	80
THERMAL				
Deflection Temperature 1/8" bar, 66 psi	°F (°C)	D648	302	150
1/8" bar, 264 psi	°F (°C)	D648	124	51
FLAMMABILITY				
UL File Number E138590				
Flame Resistance	.059" (1.5mm)	UL94	HB	HB
All Color Recognition				
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.