



OmniTech™
PBT GR17 FR0

17% Glass Reinforced, Flame Resistant PBT

PHYSICAL	Units	ASTM/ISO Procedure	English	Metric
Specific Gravity		D792	1.54	1.54
Filler/Reinforcement	%	D2584	17	17
IMPACT				
Izod Impact Resistance Notched 1/8" bar, 73°F	ft.-lbs/in. (J/m)	D256	1	53
MECHANICAL				
Tensile Strength At Yield, 73°F	psi (MPa)	D638	13,000	90
Tensile Elongation	%	D638	4	4
Flexural Modulus	psi (MPa)	D790	720,000	4,964
Flexural Strength	psi (MPa)	D790	20,500	141
THERMAL				
Deflection Temperature 1/8" bar, 264 psi	°F (°C)	D648	265	129
FLAMMABILITY				
Flame Resistance *Omni Internal Testing	3.0mm	UL94	V-0/5VA*	V-0/5VA*
RECOMMENDED PROCESSING CONDITIONS				
Drying Temperature			240° F	
Drying Time			3-4 hrs. max.	
Maximum Moisture			0.02%	
Rear Zone(s)			460 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			460 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.