



OmniTechTM
PBAB GR30
 30% Glass Fiber Reinforced, PBT/ABS

PHYSICAL	Units	ASTM/ISO Procedure	English	Metric
Specific Gravity		D792	1.45	1.45
Filler/Reinforcement	%	D2584	30	30
IMPACT				
Izod Impact Resistance Notched 1/8" bar, 73 °F	ft.-lbs/in. (J/m)	D256	1.5	80
MECHANICAL				
Tensile Strength, Yld.	psi (MPa)	D638	18,000	124
Tensile Elongation	%	D638	3	3
Flexural Modulus	psi (MPa)	D790	1,200,000	8,274
Flexural Strength	psi (MPa)	D790	28,000	193
THERMAL				
Deflection Temperature 1/8" bar, 264 psi	°F (°C)	D648	350	177
FLAMMABILITY				
Flame Resistance *Omni Internal Testing		UL94	HB*	HB*
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.