



OmniTech™

PBSN GR30

Glass Fiber Reinforced PBT/SAN

PHYSICAL	Units	ASTM/ISO Procedure	English	Metric
Specific Gravity		D792	1.42	1.42
Filler/Reinforcement	%	D2584	30	30
IMPACT				
Izod Impact Resistance Notched 1/8" bar, 73 °F	ft.-lbs/in. (J/m)	D256	1.1	59
MECHANICAL				
Tensile Strength, Yld.	psi (MPa)	D638	19,000	131
Tensile Elongation	%	D638	3	3
Flexural Modulus	psi (MPa)	D790	1,200,000	8,274
Flexural Strength	psi (MPa)	D790	28,500	197
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.