

## Grade: PBTGF30

Molding Grade 30% Glass Filled PBT

### Typical Material Properties

Physical	Nominal Values	ASTM Test
Specific Gravity	1.52	D792
<b>Mechanical</b>		
Tensile Strength @ Yield	18,500 psi	D638
Flexural Modulus	1,200,000 psi	D790
Flexural Strength @ Yield	27,500 psi	D790
<b>Impact</b>		
Notched Izod Impact (73°F, 0.125 in)	1.30 ft-lb/in	D256
<b>Thermal</b>		
DTUL @ 264 psi-unannealed (0.250 in)	385°F	D648
<b>Mold Shrinkage</b>		
Linear Flow	.004 - .006 in/in	D955

The information provided above is based upon typical values and is intended only as a guide. Star Plastics, LLC assumes no obligation or liability for any advice furnished or for any results obtained with respect to this information. *No guarantees or warranties are expressed or implied.*

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### Recommended Processing Guidelines

	Nominal Values
Drying Time and Temperature	4.0 hrs, 230°F - 250°F
Suggested Max Moisture	0.020%
Rear Temperature	450°F – 480°F
Middle Temperature	475°F – 500°F
Front Temperature	475°F – 510°F
Nozzle Temperature	475°F – 510°F
Processing (Melt) Temperature	485°F – 525°F
Mold Temperature	150°F – 210°F
Back Pressure	50 – 100 psi
Screw Speed	40 – 75 RPM

The conditions listed above are only guidelines. You may want to adjust conditions to meet your requirements.