



CP08-N0017

Polybutylene Terephthalate

33% Glass Fiber Reinforcement, Impact Modified

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Physical	Method	Typical Value	Units
Specific Gravity	ASTM D792	1.52	
Mold Shrink, Linear Flow (0.125 in)	ASTM D955	0.005	in/in
Impact			
Notched Izod Impact (73°F, 0.125 in)	ASTM D256	1.7	ft-lbf/in
Mechanical			
Tensile Strength @ Yield	ASTM D638	14,500	psi
Tensile Elongation @ Break	ASTM D638	3.0	%
Flexural Strength @ Yield	ASTM D790	24,000	psi
Flexural Modulus	ASTM D790	1,050,000	psi
Thermal			
Deflection Temperature Under Load			
0.250 in, 66 psi	ASTM D648	425	°F
0.250 in, 264 psi	ASTM D648	400	°F

Information provided is based on typical values from reliable procedures. Values are based on natural or black materials unless otherwise noted. No guarantees or warranties of any kind are expressed or implied. Users are responsible for determining the suitability of the product for their intended application.

Recommended Processing Parameters

Drying Temperature	250°F
Drying Time	3.0 - 4.0 Hours
Suggested Maximum Moisture Content	0.02%
Rear Temperature	460 - 510 °F
Middle Temperature	470 - 520 °F
Front Temperature	480 - 530 °F
Nozzle Temperature	470 - 520 °F
Processing (Melt) Temperature	480 - 530 °F
Mold Temperature	140 - 190 °F

CPPT recommended processing parameters are meant to serve as guidelines only and are not intended to be used for specification purposes. Conditions should be adjusted to optimize material performance with the equipment part design and tooling.