



**CP08-N0002**

**Polybutylene Terephthalate**

Unfilled, Flame Retardant

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Physical	Method	Typical Value	Units
Specific Gravity	ASTM D792	1.40	
Mold Shrink, Linear Flow (0.125 in)	ASTM D955	0.017	in/in

**Impact**

Notched Izod Impact (73°F, 0.125 in)	ASTM D256	0.6	ft-lbf/in
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**Mechanical**

Tensile Strength @ Yield	ASTM D638	8,100	psi
Tensile Elongation @ Break	ASTM D638	18	%
Flexural Strength @ Yield	ASTM D790	14,200	psi
Flexural Modulus	ASTM D790	360,000	psi

**Thermal**

Deflection Temperature Under Load			
0.250 in, 66 psi	ASTM D648	320	°F
0.250 in, 264 psi	ASTM D648	155	°F

**Flammability**

Flame Rating (.0625 in)	UL94	V-0
Flame Rating (.125 in)	UL94	5VA

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	440 - 470 °F
Middle Temperature	450 - 480 °F
Front Temperature	460 - 490 °F
Nozzle Temperature	460 - 490 °F
Processing (Melt) Temperature	460 - 500 °F
Mold Temperature	120 - 170 °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.