



**CP09-N0102**

**Polycarbonate**

10% Glass Fiber Reinforcement

Flame Retardant, w/ Release

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Physical	Method	Typical Value	Units
Melt Flow	ASTM D1238	14	g/10 min
Specific Gravity	ASTM D792	1.26	
Mold Shrink, Linear Flow (.125 in)	ASTM D955	0.004	in/in

**Impact**

Notched Izod Impact (.125 in) 73°F	ASTM D256	2.0	ft-lbs/in
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**Mechanical**

Tensile Strength @ Yield	ASTM D638	9,800	psi
Tensile Elongation @ Break	ASTM D638	12	%
Flexural Strength	ASTM D790	14,200	psi
Flexural Modulus	ASTM D790	495,000	psi

**Thermal**

Deflection Temperature Under Load .25 in, 66 psi	ASTM D648	293	°F
.25 in, 264 psi	ASTM D648	286	°F

**Flammability**

Flame Rating (.0625 in)	UL 94	V-2	-
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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	2.0 - 4.0 Hours
Suggested Maximum Moisture Content	0.02%
Rear Temperature	530 - 580 °F
Middle Temperature	550 - 600 °F
Front Temperature	570 - 620°F
Nozzle Temperature	560 - 610°F
Processing (Melt) Temperature	570 - 620°F
Mold Temperature	180 - 240°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.