



CP09-N0051

Polycarbonate

5% Glass Fiber Reinforcement

Foamable, High Impact Strength, Mold Release

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Physical	Method	Typical Value	Units
Melt Flow	ASTM D1238	9.0	g/10 min
Specific Gravity	ASTM D792	1.23	
Mold Shrink, Linear Flow (.125 in)	ASTM D955	0.005	in/in
Impact			
Notched Izod Impact (.125 in) 73°F	ASTM D256	7.0	ft-lbs/in
Mechanical			
Tensile Strength @ Yield	ASTM D638	8,000	psi
Flexural Strength	ASTM D790	14,500	psi
Flexural Modulus	ASTM D790	375,000	psi
Thermal			
Deflection Temperature Under Load			
.25 in, 66 psi	ASTM D648	285	°F
.25 in, 264 psi	ASTM D648	277	°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	2.0 - 4.0 Hours
Suggested Maximum Moisture Content	0.02%
Rear Temperature	530 - 580 °F
Middle Temperature	550 - 590 °F
Front Temperature	570 - 610°F
Nozzle Temperature	570 - 610°F
Processing (Melt) Temperature	570 - 610°F
Mold Temperature	170 - 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.