CP09-N0124

Polycarbonate

10% Glass Fiber Reinforcement

Good Impact Strength, Non-Halogenated Flame Retardant, Max UV Stabilized, w/ Release

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Physical	Method	Typical Value	Units
Specific Gravity	ASTM D792	1.25	
Mold Shrink, Linear Flow (.125 in)	ASTM D955	0.004	in/in
Impact			
Notched Izod Impact (.125 in)			
73°F	ASTM D256	2.2	ft-lbs/in
Mechanical			
Tensile Strength @ Yield	ASTM D638	9,200	psi
Tensile Elongation @ Break	ASTM D638	14	%
Flexural Strength	ASTM D790	14,500	psi
Flexural Modulus	ASTM D790	500,000	psi
Thermal			
Deflection Temperature Under Load			
.250 in, 66 psi	ASTM D648	293	°F
.250 in, 264 psi	ASTM D648	286	°F
Flammability			
Flame Rating @ .125 in	UL 94	V-0	-

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	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.