CP53-N0010

PBT+PC

30% Glass Fiber Reinforcement, UV Stabilized

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Physical	Method	Typical Value	Units
Melt Flow (250°C / 2.16kg)	ASTM D1238	15	g/10 min
Specific Gravity	ASTM D792	1.48	
Mold Shrink, Linear Flow (.125 in)	CPPT Method	0.005	in/in
Impact			
Notched Izod Impact (.125 in)			
73°F	ASTM D256	1.5	ft-lbs/in
Mechanical			
Tensile Strength @ Yield	ASTM D638	15,600	psi
Flexural Strength	ASTM D790	24,900	psi
Flexural Modulus	ASTM D790	1,200,000	psi
Thermal			
Deflection Temperature Under Load			
.250 in, 66 psi	ASTM D648	416	°F
.250 in, 264 psi	ASTM D648	346	°F

Recommended Processing Parameters

Drying Temperature	250°F
Drying Time	3.0 - 4.0 Hours
Suggested Maximum Moisture Content	0.02%
Rear Temperature	450 - 480 °F
Middle Temperature	460 - 500 °F
Front Temperature	470 - 510 °F
Nozzle Temperature	460 - 500 °F
Processing (Melt) Temperature	470 - 510 °F
Mold Temperature	150 - 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.