



CP53-N0014

PBT+PC

10% Glass Fiber Reinforcement, Flame Retardant, UV Stabilized

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Physical	Method	Typical Value	Units
Specific Gravity	ASTM D792	1.39	
Mold Shrink, Linear Flow (.125 in)	ASTM D955	0.006	in/in
Impact			
Notched Izod Impact (.125 in) 73°F	ASTM D256	1.8	ft-lbs/in
Mechanical			
Tensile Strength @ Break	ASTM D638	11,000	psi
Tensile Elongation @ Break	ASTM D638	3.0	%
Flexural Strength	ASTM D790	16,500	psi
Flexural Modulus	ASTM D790	600,000	psi
Thermal			
Deflection Temperature Under Load .250 in, 264 psi	ASTM D648	230	°F
Flammability			
Flame Rating (.0625 in)	UL 94	V-0	
Flame Rating (.125 in)	UL 94	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	470 - 520 °F
Middle Temperature	480 - 530 °F
Front Temperature	490 - 540 °F
Nozzle Temperature	480 - 530 °F
Processing (Melt) Temperature	490 - 540 °F
Mold Temperature	150 - 200 °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.