



CP06-N0006

Polyamide 6

20% Glass Bead / 10% Glass Fiber Reinforcement, Heat Stabilized

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Physical	Method	Typical Value	Units
Specific Gravity	ASTM D792	1.34	
Mold Shrink, Flow: 0.125 in	ASTM D955	0.004	in/in

Impact

Notched Izod Impact (.125 in) 73°F	ASTM D256	0.8	ft-lbs/in
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Mechanical

Tensile Strength @ Yield	ASTM D638	15,000	psi
Tensile Elongation @ Break	ASTM D638	4.0	%
Flexural Strength	ASTM D790	23,000	psi
Flexural Modulus	ASTM D790	800,000	psi

Thermal

Deflection Temperature Under Load 264 psi	ASTM D648	375	°F
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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	180°F
Drying Time	2.0 - 4.0 Hours
Suggested Max Moisture	.10%
Processing (Melt) Temperature	480 - 550 °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.