



CP06-N0029

Polyamide 6

43% Glass Fiber Reinforcement

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Physical	Method	Typical Value	Units
Specific Gravity	ASTM D792	1.45	
Mold Shrink, Flow: 0.125 in	ASTM D955	0.003	in/in

Impact

Notched Izod Impact (.125 in) 73°F	ASTM D256	1.7	ft-lbs/in
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Mechanical

Tensile Strength @ Break	ASTM D638	27,000	psi
Tensile Elongation @ Break	ASTM D638	3.0	%
Flexural Modulus	ASTM D790	1,500,000	psi

Thermal

Deflection Temperature Under Load			
66 psi	ASTM D648	420	°F
264 psi	ASTM D648	390	°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	180°F
Drying Time	3.0 - 4.0 Hours
Suggested Max Moisture	0.15%
Rear Temperature	480 - 520 °F
Middle Temperature	490 - 530 °F
Front Temperature	500 - 540 °F
Nozzle Temperature	500 - 540 °F
Processing (Melt) Temperature	480 - 540 °F
Mold Temperature	160 - 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.