



**CP06-N0032**

**Polyamide 6**

Super Tough Impact Modified

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Physical	Method	Typical Value	Units
Specific Gravity	ASTM D792	1.07	
Mold Shrink, Linear Flow (.125 in)	ASTM D955	0.017	in/in
<b>Impact</b>			
Notched Izod Impact (.125 in) 73°F	ASTM D256	16.0	ft-lbs/in
<b>Mechanical</b>			
Tensile Strength @ Yield	ASTM D638	7,000	psi
Tensile Elongation @ Break	ASTM D638	175.0	%
Flexural Strength	ASTM D790	9,500	psi
Flexural Modulus	ASTM D790	250,000	psi
<b>Thermal</b>			
Deflection Temperature Under Load			
66 psi	ASTM D648	250	°F
264 psi	ASTM D648	122	°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	175°F
Drying Time	3.0 - 4.0 Hours
Suggested Maximum Moisture Content	0.20%
Rear Temperature	440 - 480 °F
Middle Temperature	460 - 500 °F
Front Temperature	470 - 510°F
Nozzle Temperature	470 - 520°F
Mold Temperature	140 - 180°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.