



CP06-N0018

Polyamide 6

30% Glass Fiber Reinforcement, Heat Stabilized

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Physical	Method	Typical Value	Units
Specific Gravity	ASTM D792	1.39	-
Mold Shrink, Flow (0.125 in)	ASTM D955	0.005	in/in
Impact			
Notched Izod Impact (0.125 in) 73°F	ASTM D256	1.7	ft-lbf/in
Mechanical			
Tensile Strength @ Yield	ASTM D638	22,000	psi
Tensile Elongation @ Break	ASTM D638	3.0	%
Flexural Modulus	ASTM D790	1,200,000	psi
Thermal			
DTUL @ 264 psi (0.125 in)	ASTM D648	405	°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
Rear Temperature	480 - 520 °F
Middle Temperature	480 - 540 °F
Front Temperature	500 - 560 °F
Nozzle Temperature	520 - 560 °F
Processing (Melt) Temperature	500 - 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.