



CP06-N0005

Polyamide 6

35% Glass Fiber Reinforcement, Heat Stabilized, High Flow

5401 N Hwy 41 / Suite 1000 Evansville, IN 47711 • Phone: 812.426.1350 • FAX: 888.855.3671 • www.cpptech.com

Physical	Method	Typical Value	Units
Density	ISO 1183	1.40	g/cm ³
Mold Shrink, Flow		0.30	%

Impact

Charpy Notched Impact Strength 73°F	ISO 179/1eA	7.0	ft-lbs/in ²
--	-------------	-----	------------------------

Mechanical

Tensile Modulus	ISO 527-2	1,520,000	psi
Tensile Stress @ Break	ISO 527-2	26,300	psi
Tensile Strain @ Break	ISO 527-2	3.3	%
Flexural Stress	ISO 178	36,400	psi
Flexural Modulus	ISO 178	1,410,000	psi

Thermal

Heat Deflection Temperature 264 psi, Unannealed	ISO 75-2/A	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 - 6.0 Hours
Suggested Maximum Moisture Content	0.15%
Rear Temperature	450 - 480 °F
Middle Temperature	470 - 500 °F
Front Temperature	470 - 500 °F
Nozzle Temperature	480 - 540 °F
Processing (Melt) Temperature	480 - 520 °F
Mold Temperature	110 - 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.