



CP10-N0011
Polyether Imide

Standard Flow with 10% PTFE, Wear Resistant

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
Specific Gravity	ASTM D792	1.32	
Mold Shrink, Linear Flow (.125 in)	ASTM D955	0.008	in/in

Impact

Notched Izod Impact (.125 in) 73°F	ASTM D256	1.1	ft-lbs/in
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Mechanical

Tensile Strength @ Yield	ASTM D638	14,700	psi
Tensile Elongation @ Break	ASTM D638	14	%
Flexural Strength	ASTM D790	20,800	psi
Flexural Modulus	ASTM D790	450,000	psi

Thermal

Deflection Temperature Under Load			
.250 in, 66 psi	ASTM D648	392	°F
.250 in, 264 psi	ASTM D648	365	°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	275°F
Drying Time	4.0 - 6.0 Hours
Suggested Maximum Moisture Content	0.02%
Rear Temperature	640 - 660 °F
Middle Temperature	660 - 680 °F
Front Temperature	680 - 700 °F
Nozzle Temperature	680 - 700 °F
Processing (Melt) Temperature	670 - 690 °F
Mold Temperature	250 - 300 °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.