



CP10-N0010
Polyether Imide

20% Glass Filled, with Mold Release

PEI copolymer w/ enhanced chemical resistance

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Physical	Method	Typical Value	Units
Melt Flow @ 337°C / 6.6 kg	ASTM D1238	5.2	g/10 min
Specific Gravity	ASTM D792	1.45	
Mold Shrink, Linear Flow (.125 in)	ASTM D955	0.005	in/in
Impact			
Notched Izod Impact (.125 in) 73°F	ASTM D256	1.2	ft-lbs/in
Mechanical			
Tensile Strength @ Yield	ASTM D638	19,500	psi
Tensile Elongation @ Break	ASTM D638	3.0	%
Flexural Strength @ Yield	ASTM D790	30,500	psi
Flexural Modulus	ASTM D790	975,000	psi
Thermal			
Deflection Temperature Under Load .25 in, 264 psi	ASTM D648	423	°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	300°F
Drying Time	4.0 - 6.0 Hours
Suggested Maximum Moisture Content	0.02%
Rear Temperature	640 - 680 °F
Middle Temperature	660 - 700 °F
Front Temperature	680 - 720 °F
Nozzle Temperature	670 - 710 °F
Processing (Melt) Temperature	680 - 720 °F
Mold Temperature	280 - 330 °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.