



CP56-N0012

PPE/PS Alloy

30% Glass Fiber Reinforcement

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	1.29	
Mold Shrink, Flow: 0.125 in	ASTM D955	0.003	in/in

Impact

Notched Izod Impact (.125 in) 73°F	ASTM D256	2.0	ft-lbs/in
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Mechanical

Tensile Strength @ Break	ASTM D638	16,500	psi
Tensile Elongation @ Break	ASTM D638	2.0	%
Flexural Strength	ASTM D790	25,000	psi
Flexural Modulus	ASTM D790	1,100,000	psi

Thermal

Deflection Temperature Under Load			
.250 in, 66 psi	ASTM D648	315	°F
.250 in, 264 psi	ASTM D648	278	°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	240°F
Drying Time	3.0 - 4.0 Hours
Suggested Maximum Moisture Content	0.02%
Rear Temperature	500 - 590 °F
Middle Temperature	520 - 600 °F
Front Temperature	540 - 610 °F
Nozzle Temperature	560 - 610 °F
Processing (Melt) Temperature	560 - 610 °F
Mold Temperature	180 - 240 °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.