



CP56-N0014

PPE/PS Alloy

Paintable, Good Flow, UV Stabilized

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Physical	Method	Typical Value	Units
Melt Flow (280°C / 5.0kg)	ASTM D1238	7.0	g/10 min
Specific Gravity	ASTM D792	1.06	
Mold Shrink, Flow: 0.125 in	ASTM D955	0.006	in/in

Impact

Notched Izod Impact (.125 in)			
73°F	ASTM D256	5.0	ft-lbs/in
-22°F	ASTM D256	3.5	ft-lbs/in

Mechanical

Tensile Modulus	ASTM D638	148,000	psi
Tensile Strength @ Yield	ASTM D638	8,100	psi
Tensile Elongation @ Break	ASTM D638	35	%
Flexural Strength	ASTM D790	12,400	psi
Flexural Modulus	ASTM D790	321,000	psi

Thermal

Deflection Temperature Under Load			
.250 in, 66 psi	ASTM D648	137	°C
.250 in, 264 psi	ASTM D648	125	°C

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	170°F - 180°F
Drying Time	3.0 - 5.0 Hours
Cumulative Drying Time	8.0 Hours
Suggested Maximum Moisture Content	0.02%
Rear Temperature	480°F - 500°F
Middle Temperature	490°F - 510°F
Front Temperature	510°F - 530°F
Nozzle Temperature	520°F - 530°F
Processing (Melt) Temperature	510°F - 540°F
Mold Temperature	130°F - 170°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.