



**CP56-N0005**

**PPE/PS Alloy**

Non-Halogenated Flame Retardant

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Physical	Method	Typical Value	Units
Specific Gravity	ASTM D792	1.12	
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
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**Mechanical**

Tensile Strength @ Yield	ASTM D638	7,500	psi
Tensile Elongation @ Break	ASTM D638	15	%
Flexural Strength	ASTM D790	11,500	psi
Flexural Modulus	ASTM D790	325,000	psi

**Thermal**

Deflection Temperature Under Load .250 in, 66 psi	ASTM D648	200	°F
.250 in, 264 psi	ASTM D648	185	°F

**Flammability**

Flame Rating (.0625 in)	UL 94	V-0
Flame Rating (.125 in)	UL 94	5VA

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	175°F
Drying Time	3.0 - 5.0 Hours
Suggested Maximum Moisture Content	0.02%
Rear Temperature	410 - 500 °F
Middle Temperature	430 - 510 °F
Front Temperature	450 - 520 °F
Nozzle Temperature	470 - 520 °F
Processing (Melt) Temperature	470 - 520 °F
Mold Temperature	130 - 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.