



**CP56-N0019**

**PPE/PS Alloy**

20% Glass Fiber Reinforcement, Non-Halogenated Flame Retardant

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Physical	Method	Typical Value	Units
Specific Gravity	ASTM D792	1.23	
Mold Shrink, Flow: 0.125 in	ASTM D955	0.004	in/in

**Impact**

Notched Izod Impact (.125 in) 73°F	ASTM D256	1.6	ft-lbs/in
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**Mechanical**

Tensile Strength @ Break	ASTM D638	14,000	psi
Tensile Elongation @ Break	ASTM D638	4.5	%
Flexural Strength	ASTM D790	19,500	psi
Flexural Modulus	ASTM D790	825,000	psi

**Thermal**

Deflection Temperature Under Load .250 in, 66 psi	ASTM D648	275	°F
.250 in, 264 psi	ASTM D648	265	°F

**Flammability**

Flame Rating (.0625 in)	UL 94	V-1
Flame Rating (.250 in)	UL 94	V-0
Flame Rating (.100 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	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.