



CP56-N0013

PPE/PS Alloy

Non-Halogenated Flame Retardant

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Physical	Method	Typical Value	Units
Melt Flow (280°C / 5.0 kg)	ASTM D1238	12	g/10 min
Specific Gravity	ASTM D792	1.09	
Mold Shrink, Flow: 0.125 in	ASTM D955	0.006	in/in

Impact

Notched Izod Impact (.125 in) 73°F	ASTM D256	3.0	ft-lbs/in
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Mechanical

Tensile Strength @ Yield	ASTM D638	8,200	psi
Tensile Elongation @ Break	ASTM D638	12	%
Flexural Strength	ASTM D790	13,000	psi
Flexural Modulus	ASTM D790	375,000	psi

Thermal

Deflection Temperature Under Load			
.250 in, 66 psi	ASTM D648	259	°F
.250 in, 264 psi	ASTM D648	240	°F

Flammability

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

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	225°F
Drying Time	3.0 - 5.0 Hours
Suggested Maximum Moisture Content	0.02%
Rear Temperature	470 - 560 °F
Middle Temperature	490 - 570 °F
Front Temperature	510 - 580 °F
Nozzle Temperature	530 - 580 °F
Processing (Melt) Temperature	530 - 580 °F
Mold Temperature	170 - 220 °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.