



CP56-N0014

PPE/PS Alloy

Paintable, Good Flow, UV Stabilized

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Physical	Method	Typical Value	Units
Melt Mass-Flow Rate (280°C / 5.0kg)	ISO 1133	7.0	g/10 min
Density	ISO 1183	1.06	g/cm ³
Mold Shrink, Linear Flow: 0.125 in	Internal Method	0.006	in/in

Impact

Charpy Impact Strength			
23°C	ISO 179	24.0	kJ/m ²
-30°C	ISO 179	18.5	kJ/m ²

Mechanical

Tensile Modulus	ISO 527	1,530	MPa
Tensile Strength @ Yield	ISO 527	56	MPa
Tensile Elongation @ Break	ISO 527	29	%
Flexural Strength	ISO 178	84	MPa
Flexural Modulus	ISO 178	2,300	MPa

Thermal

Deflection Temperature Under Load			
.45 MPa	ISO 75	135	°C
1.82 MPa	ISO 75	119	°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	220°F - 230°F
Drying Time	3.0 - 5.0 Hours
Suggested Maximum Moisture Content	0.02%
Rear Temperature	480°F - 520°F
Middle Temperature	500°F - 530°F
Front Temperature	520°F - 550°F
Nozzle Temperature	530°F - 560°F
Processing (Melt) Temperature	540°F - 580°F
Mold Temperature	150°F - 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.