



CP51-N0013

Polycarbonate / ABS Alloy

Low Gloss, High Flow, High Impact, UV Stable

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Physical	Method	Typical Value	Units
Melt Mass-Flow Rate @ 260°C / 5.0kg	ISO 1133	20	g/10 min
Density	ISO 1183	1.13	g/cm ³
Mold Shrink, Linear Flow (.125 in)	Internal Method	0.006	in/in

Impact

Notched Izod Impact			
23°C	ISO 180/1A	40	kJ/m ²

Mechanical

Tensile Strength @ Yield	ISO 527	55	MPa
Tensile Elongation @ Break	ISO 527	10	%
Flexural Strength	ISO 178	85	MPa
Flexural Modulus	ISO 178	2,400	MPa

Thermal

Deflection Temperature Under Load			
.46 Mpa	ISO 75	124	°C
1.8 Mpa	ISO 75	107	°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	225°F
Drying Time	3.0 - 4.0 Hours
Suggested Maximum Moisture Content	0.05%
Rear Temperature	470 - 530 °F
Middle Temperature	480 - 540 °F
Front Temperature	480 - 540 °F
Nozzle Temperature	490 - 540 °F
Processing (Melt) Temperature	490 - 540 °F
Mold Temperature	160 - 200 °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.