



CP51-U2008-2

Polycarbonate / ABS Alloy

UL Recognized Halogen Free Flame Retardant, Extrusion Grade

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Physical	Method	Typical Value	Units
Melt Flow @ 260°C / 5.0 kg	ASTM D1238	15	g/10 min
Specific Gravity	ASTM D792	1.18	
Mold Shrink, Linear Flow (.125 in)	ASTM D955	0.006	in/in

Impact

Notched Izod Impact (.125 in) 73°F	ASTM D256	11.0	ft-lbs/in
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Mechanical

Tensile Strength @ Yield	ASTM D638	9,400	psi
Tensile Elongation @ Break	ASTM D638	>50	%
Flexural Strength	ASTM D790	13,500	psi
Flexural Modulus	ASTM D790	380,000	psi

Thermal

Deflection Temperature Under Load			
.25 in, 66 psi	ASTM D648	225	°F
.25 in, 264 psi	ASTM D648	210	°F

Flammability

Flame Rating (.0625")	UL94	V-0	
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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	190°F
Drying Time	3.0 - 4.0 Hours
Suggested Maximum Moisture Content	0.02%
Section 1	430 - 460 °F
Section 2	450 - 460 °F
Section 3	460 - 480 °F
Section 4	460 - 480 °F
Die	460 - 480 °F
Melt Temperature	460 - 500 °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.