



**CP51-N0008**

**Polycarbonate / ABS Alloy**

Halogen Free Flame Retardant, High Flow, Good Impact

5401 N Hwy 41 / Suite 1000 Evansville, IN 47711 • Phone: 812.426.1350 • FAX: 888.855.3671 • www.cpptech.com

Physical	Method	Typical Value	Units
Melt Flow @ 260°C / 2.16 kg	ASTM D1238	18	g/10 min
Specific Gravity	ASTM D792	1.18	
Mold Shrink, Linear Flow (.125 in)	ASTM D955	0.005	in/in

**Impact**

Notched Izod Impact (.125 in) 73°F	ASTM D256	10.0	ft-lbs/in
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**Mechanical**

Tensile Strength @ Yield	ASTM D638	8,800	psi
Tensile Elongation @ Break	ASTM D638	40	%
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	216	°F
.25 in, 264 psi	ASTM D648	201	°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	185°F
Drying Time	3.0 - 4.0 Hours
Suggested Maximum Moisture Content	0.04%
Rear Temperature	420 - 480 °F
Middle Temperature	420 - 500 °F
Front Temperature	460 - 520 °F
Nozzle Temperature	460 - 520 °F
Processing (Melt) Temperature	460 - 520 °F
Mold Temperature	130 - 180 °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.