



**CP51-N0014**

**Polycarbonate / ABS Alloy**

9% Mineral Filled, High Heat Resistance

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 / 5.0kg	ASTM D1238	20	g/10 min
Specific Gravity	ASTM D792	1.21	
Mold Shrink, Linear Flow (.125 in)	ASTM D955	0.005	in/in

**Impact**

Notched Izod Impact (.125 in)			
73°F	ASTM D256	1.7	ft-lbs/in
-22°F	ASTM D256	1.3	ft-lbs/in

**Mechanical**

Tensile Strength @ Yield	ASTM D638	8,000	psi
Tensile Elongation @ Break	ASTM D638	>50	%
Flexural Strength	ASTM D790	13,900	psi
Flexural Modulus	ASTM D790	450,000	psi

**Thermal**

Deflection Temperature Under Load			
.125 in, 66 psi	ASTM D648	278	°F
.125 in, 264 psi	ASTM D648	247	°F

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	0.04%
Rear Temperature	480 - 520 °F
Middle Temperature	480 - 540 °F
Front Temperature	500 - 550 °F
Nozzle Temperature	500 - 550 °F
Processing (Melt) Temperature	500 - 550 °F
Mold Temperature	140 - 190 °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.