



CP51-N0020

Polycarbonate / ABS Alloy

Paintable, Excellent Flow, Good Low Temp Impact Strength

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 Volume-Flow Rate @ 260°C / 5.0kg	ISO 1133	25	g/10 min
Density	ISO 1183	1.11	g/cm ³
Mold Shrink, Linear Flow (.125 in)	ISO 2577	0.60	%

Impact

Notched Izod Impact (.125 in) 73°F	ISO 180/A	20.0	ft-lb/in ²
---------------------------------------	-----------	------	-----------------------

Mechanical

Tensile Modulus	ISO 527-2/1	295,000	psi
Tensile Stress @ Yield	ISO 527-2/50	7,200	psi
Tensile Strain @ Break	ISO 527-2/50	>50	%

Thermal

Heat Deflection Temperature 66 psi, Unannealed	ISO 75-2/B	248	°F
264 psi, Unannealed	ISO 75-2/A	210	°F
Vicat Softening Temperature	ISO 306/B50	235	°F
	ISO 306/B120	239	°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	0.05%
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.