



CP51-N0016

Polycarbonate / ABS Alloy

High Flow, Medium Impact, Paintable

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Physical	Method	Typical Value	Units
Melt Flow @ 260°C / 5.0kg	ISO 1133	30	g/10 min
Specific Gravity (23°C)	ISO 1183	1.14	--
Mold Shrink, Linear Flow (3.2 mm)	CPPT Method	0.6	%
Impact			
Notched Izod Impact (4.0 mm)			
23°C	ISO 180	45	kJ/m ²
Mechanical			
Tensile Strength @ Yield	ISO 527	48	MPa
Tensile Elongation @ Break	ISO 527	43	%
Flexural Strength @ Yield	ISO 178	82	MPa
Flexural Modulus	ISO 178	2,300	MPa
Thermal			
Deflection Temperature Under Load			
4.0 mm, 455 kPa	ISO 75	121	°C
4.0 mm, 1820 kPa	ISO 75	104	°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	110°C
Drying Time	3.0 - 4.0 Hours
Suggested Maximum Moisture Content	0.05%
Rear Temperature	230 - 270 °C
Middle Temperature	240 - 280 °C
Front Temperature	250 - 290 °C
Nozzle Temperature	250 - 290 °C
Processing (Melt) Temperature	250 - 290 °C
Mold Temperature	70 - 100 °C

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.