



CP09-N0078

Polycarbonate

40% Glass Fiber Reinforcement

Mold Release

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
----------	--------	---------------	-------

Specific Gravity	ASTM D792	1.52	
Mold Shrink, Linear Flow (.125 in)	ASTM D955	0.0025	in/in

Impact	Method	Typical Value	Units
--------	--------	---------------	-------

Notched Izod Impact (.125 in) 73°F	ASTM D256	1.8	ft-lbs/in
---------------------------------------	-----------	-----	-----------

Mechanical	Method	Typical Value	Units
------------	--------	---------------	-------

Tensile Strength @ Yield	ASTM D638	20,000	psi
Tensile Elongation @ Break	ASTM D638	3.0	%
Flexural Strength	ASTM D790	25,000	psi
Flexural Modulus	ASTM D790	1,350,000	psi

Thermal	Method	Typical Value	Units
---------	--------	---------------	-------

Deflection Temperature Under Load 66 psi	ASTM D648	308	°F
264 psi	ASTM D648	293	°F

Flammability	Method	Typical Value	Units
--------------	--------	---------------	-------

Flame Rating (.0625 in)	UL94	V-0	-
-------------------------	------	-----	---

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	250°F
Drying Time	3.0 - 5.0 Hours
Suggested Maximum Moisture Content	0.02%
Rear Temperature	550 - 590 °F
Middle Temperature	570 - 610 °F
Front Temperature	590 - 630 °F
Nozzle Temperature	580 - 620 °F
Processing (Melt) Temperature	590 - 630 °F
Mold Temperature	180 - 240 °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.