

PRODUCT SERIES: B10 SERIES BMC
PRODUCT DESCRIPTION: GENERAL PURPOSE GRADE

Properties	Glass Content 10%		Glass Content 15%		Glass Content 20%	
	Imperial	SI	Imperial	SI	Imperial	SI
Flexural Strength Test Method: ASTM D-790	10,000 psi	69 MPa	12,000 psi	83 MPa	18,000 psi	124 MPa
Flexural Modulus Test Method: ASTM D-790	-	-	-	-	2.0 x 10 ⁶ psi	14 GPa
Tensile Strength Test Method: ASTM D-638	4,000 psi	28 MPa	5,000 psi	34 MPa	7,000 psi	48 MPa
Tensile Modulus Test Method: ASTM D-638	-	-	-	-	2.0 x 10 ⁶ psi	14 GPa
Compression Strength Test Method: ASTM D-695	14,000 psi	96 MPa	16,000 psi	110 MPa	23,000 psi	159 MPa
Impact Strength-Izod Notched Test Method: ASTM D-256	7.0 ft.lb./in.	373 J/m	10.0 ft.lb./in.	533 J/m	8.0 ft.lb./in.	427 J/m
Impact Strength-Izod Unnotched Test Method: ASTM D-4812	10.0 ft.lb./in.	533 J/m	12.0 ft.lb./in.	640 J/m	-	-
Moisture Absorption Test Method: ASTM D-570	0.1 to 0.3%		0.1 to 0.3%		0.1 to 0.3%	
Specific Gravity Test Method: ASTM D-792	1.8 to 2.0		1.8 to 2.0		1.7 to 1.9	
Shrinkage Test Method: ASTM D-955	0.0% to 0.2%		0.0% to 0.2%		0.1% to 0.3%	
Barcol Hardness Test Method: ASTM D-2583	20 to 60		20 to 60		30 to 50	
Flammability (Average Burn Rate) Test Method: ASTM D-635	0.31 in./min.	.08 cm./min.	.047 in./min.	1.2 cm./min.	-	-
Heat Distortion Temp @ 264 psi Test Method: ASTM D-648	>400° F	>204° C	>400° F	>204° C	>500° F	>260° C

The information on this sheet is a guide. The stated values reflect an average of several tests conducted on CI's goods. These values were obtained under ideal conditions and may not be replicated in any particular test, part, or application. Because the values achieved in actual parts depend considerably on part design, molding conditions, and testing methods, no guarantee is made or implied regarding values to be obtained in any specific test, part, or application. CI makes no warranty or representation as to the suitability of any of its goods for use in any application. CI relies on customer to conduct its own tests and judge for itself the suitability of CI's goods.

10/2017

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