

PRODUCT SERIES: S31 SERIES SMC
PRODUCT DESCRIPTION: CLASS "A" GRADE

Properties	Glass Content 26%	
	Imperial	SI
Impact Strength-Izod Unnotched Test Method: ASTM D-4812	20.3 ft.lb./in	1,067 J/m
Flexural Strength Test Method: ASTM D-790	24,000 psi	166 MPa
Flexural Modulus 0.5 mm deflection 2.5 mm deflection Test Method: ASTM D-790	1,500 ksi 1,100 ksi	10 GPa 7 GPa
Tensile Strength Test Method: ASTM D-638	10,000 psi	69 MPa
Tensile Modulus Test Method: ASTM D-638	2,000 ksi	15 GPa
Water Absorption (24 Hrs @ 23C) Test Method: ASTM D-570	0.2 to 0.4%	0.2 to 0.4%
Barcol Hardness Test Method: ASTM D-2583	40 to 60	40 to 60
Specific Gravity (+/- .03) Test Method: ASTM D-792	1.8 to 1.90	1.8 to 1.90
Shrinkage Test Method: ASTM D-955	0.0 to 0.1%	0.0 to 0.1%
Smoothness Index Test Method: GM931AP	77	77

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.

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