

**PRODUCT SERIES:** STC 2000 SERIES SMC  
**PRODUCT DESCRIPTION:** HIGH STRENGTH POLYESTER COMPOSITES

Properties Units	STC-2045	
	Imperial	SI
Impact Strength-Izod Notched Test Method: ASTM D-256	25 ft.lb./in.	1,300 J/m
Flexural Strength Test Method: ASTM D-790	38,000 psi	193 MPa
Flexural Modulus Test Method: ASTM D-790	2,000 ksi	14 GPa
Tensile Strength Test Method: ASTM D-638	20,000 psi	138 MPa
Tensile Modulus Test Method: ASTM D-638	1,800 ksi	12 GPa
Water Absorption (24 Hrs @ 23C) Test Method: ASTM D-570	0.1 to 0.3%	0.1 to 0.3%
Specific Gravity (+/- .03) Test Method: ASTM D-792	1.6 to 1.8	1.6 to 1.8
Shrinkage Test Method: ASTM D-955	0.0 to 0.2%	0.0 to 0.2%
Barcol Hardness Test Method: ASTM D-2583	30 to 60	30 to 60

**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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