

PRODUCT SERIES: STC 2200 SERIES SMC
PRODUCT DESCRIPTION: HIGH STRENGTH POLYESTER/VINYL ESTER HYBRID COMPOSITES

Properties Units	STC-2252		STC-2253FR	
	Imperial	SI	Imperial	SI
Impact Strength-Izod Notched Test Method: ASTM D-256	25 ft.lb./in.	1,330 J/m	30 ft.lb./in.	1,600 J/m
Flexural Strength Test Method: ASTM D-790	38,000 psi	262 MPa	45,000 psi	310 MPa
Flexural Modulus Test Method: ASTM D-790	2,000 ksi	14 GPa	2,000 ksi	14 GPa
Tensile Strength Test Method: ASTM D-638	27,000 psi	186 MPa	30,000 psi	207 MPa
Tensile Modulus Test Method: ASTM D-638	2,800 ksi	19 GPa	2,500 ksi	17 GPa
Water Absorption (24 Hrs @ 23C) Test Method: ASTM D-570	0.1 to 0.3%	0.1 to 0.3%	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	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%	0.0 to 0.2%	0.0 to 0.2%
Barcol Hardness Test Method: ASTM D-2583	30 to 60	30 to 60	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.

11/2013

www.idicomposites.com

North America
Noblesville, IN

Europe
Vineuil, France

United Kingdom
Oldbury, UK

Asia/Pacific
Shanghai, China

Caribbean & South America
Aguirre, Puerto Rico

Mexico
Mexico City, Mexico