

PRODUCT SERIES: S51 SERIES SMC
PRODUCT DESCRIPTION: UV STABLE (GEN II) , LOW FLAME, LOW SMOKE

Properties	Glass Content 25%	
	Imperial	SI
Impact Strength-Izod Unnotched Test Method: ASTM D-4812	20 ft.lb/in.	1070 J/m
Flexural Strength Test Method: ASTM D-790	30,000 psi	207 MPa
Flexural Modulus ASTM D-790	1,500 ksi	10 GPa
Tensile Strength ASTM D-638	13,000 psi	90 MPa
Tensile Modulus ASTM D-638	2,000 ksi	14 GPa
Compressive Strength ASTM D-695	23,000 psi	159 MPa
Water Absorption (24 Hrs @ 23C) ASTM D-570	0.0 to 0.2%	0.0 to 0.2%
Barcol Hardness ASTM D-2583	30 - 60	30 - 60
Heat Distortion Temp @ 264 psi ASTM D-648	>400° F	>204° F
Specific Gravity (+/- 0.03) ASTM D-792	1.7 to 1.9	1.7 to 1.9
Shrinkage ISO 2577	0.0 to 0.2%	.0.0 to 0.2%
Flame Spread Index ASTM E84-08	15	15
Smoke Development Index ASTM E84-08	300	300
Weathering Xenon Arc	Available on request	Available on request

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. 10/2013

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