

PRODUCT SERIES: S42 SERIES SMC
PRODUCT DESCRIPTION: LOW PRESSURE, LOW DENSITY, LOW SMOKE

Properties	Glass Content 30%	
	Imperial	SI
Impact Strength-Izod Unnotched Test Method: ASTM D-4812	19 ft.lb/in.	1010 J/m
Flexural Strength Test Method: ASTM D-790	21,000 psi	145 MPa
Flexural Modulus ASTM D-790	1,000 ksi	7 GPa
Tensile Strength ASTM D-638	10,000 psi	69 MPa
Tensile Modulus ASTM D-638	1,700 ksi	12 GPa
Compressive Strength ASTM D-695	19,000psi	131 MPa
Water Absorption (24 Hrs @ 23C) ASTM D-570	0.300%	0.300%
Barcol Hardness ASTM D-2583	30 to 60	30 to 60
Heat Distortion Temp @ 264 psi ASTM D-648	>400° F	>204° C
Specific Gravity (+/- 0.03) ASTM D-792	1.5 to 1.7	1.5 to 1.7
Shrinkage ISO 2577	0.05 to 0.20%	0.05 to 0.20%
Flame Spread Index ASTM E162	25	25
Specific Optical Density @1.5 min ASTM E662	0 Non Flaming	1 Non Flaming
Specific Optical Density @ 4 min ASTM E662	10 Non Flaming	25 Flaming

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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