

PRODUCT SERIES: S10 SERIES SMC
PRODUCT DESCRIPTION: GENERAL PURPOSE GRADE

Properties Units	Glass Content 20%		Glass Content 25%		Glass Content 30%	
	Imperial	SI	Imperial	SI	Imperial	SI
Impact Strength-Izod Notched Test Method: ASTM D-256	12.0 ft.lb./in.	640 J/m	14.0 ft.lb./in.	747 J/m	16.0 ft.lb./in.	854 J/m
Impact Strength-Izod Unnotched Test Method: ASTM D-4812	14.0 ft.lb./in.	854 J/m	16.0 ft.lb./in.	960 J/m	18.0 ft.lb./in.	1067 J/m
Flexural Strength Test Method: ASTM D-790	23,000 psi	158 MPa	25,000 psi	172 MPa	30,000 psi	207 MPa
Flexural Modulus Test Method: ASTM D-790	2,000 ksi	14 GPa	2,200 ksi	14 GPa	2,200 ksi	14 GPa
Tensile Strength Test Method: ASTM D-638	9,000 psi	62 MPa	10,000 psi	69 MPa	12,000 psi	83 MPa
Tensile Modulus Test Method: ASTM D-638	2,200 ksi	15 GPa	2,200 ksi	15 GPa	2,200 ksi	15 GPa
Compressive Strength Test Method: ASTM D-695	27,000 psi	186 MPa	27,000 psi	186 MPa	27,000 psi	186 MPa
Water Absorption (24 Hrs @ 23C) Test Method: ASTM D-570	.20 - .30%	.20 - .30%	.20 - .30%	.20 - .30%	.20 - .30%	.20 - .30%
Barcol Hardness Test Method: ASTM D-2583	50 - 60	50 - 60	50 - 60	50 - 60	50 - 60	50 - 60
Heat Distortion Temp @ 264 psi Test Method: ASTM D-648	>400 F	>204 C	>400 F	>204 C	>400 F	>204 C
Specific Gravity (+/- .03) Test Method: ASTM D-792	1.75 - 1.9	1.75 - 1.9	1.75 - 1.9	1.75 - 1.9	1.75 - 1.9	1.75 - 1.9
Shrinkage Test Method: ASTM D-955	.05 - .2%	.05 - .2%	.05 - .2%	.05 - .2%	.05 - .2%	.05 - .2%
Flammability (Average Burn Rate) Test Method: ASTM D-635	0.67 in./min.	1.70 cm/min	0.67 in./min.	1.70 cm/min	0.67 in./min.	1.70 cm/min

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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