

PRODUCT SERIES: S20 SERIES SMC
PRODUCT DESCRIPTION: SANITARY GRADE

Properties Units	Glass Content 10%		Glass Content 15%		Glass Content 20%	
	Imperial	SI	Imperial	SI	Imperial	SI
Impact Strength-Izod Notched Test Method: ASTM D-256	8.0 ft.lb./in.	533 J/m	10.0 ft.lb./in.	640 J/m	12.0 ft.lb./in.	747 J/m
Impact Strength-Izod Unnotched Test Method: ASTM D-4812	14.0 ft.lb./in.	747 J/m	16.0 ft.lb./in.	854 J/m	18.0 ft.lb./in.	960 J/m
Flexural Strength Test Method: ASTM D-790	15,000 psi	103 MPa	20,000 psi	138 MPa	23,000 psi	158MPa
Flexural Modulus Test Method: ASTM D-790	1,500 ksi	10 GPa	1,500 ksi	10 GPa	1,800 ksi	12 GPa
Tensile Strength Test Method: ASTM D-638	6,000 psi	41 MPa	8,000 psi	55 MPa	9500 psi	65 MPa
Tensile Modulus Test Method: ASTM D-638	1,800 ksi	12 GPa	1,800 ksi	12 GPa	2,200 ksi	15 GPa
Compressive Strength Test Method: ASTM D-695	20,000 psi	138 MPa	23,000 psi	158 MPa	25,000 psi	172 MPa
Water Absorption (24 Hrs @ 23C) Test Method: ASTM D-570	.2 to .3%	.2 to .3%	.2 to .3%	.2 to .3%	.2 to .3%	.2 to .3%
Barcol Hardness Test Method: ASTM D-2583	30 to 60	30 to 60	30 to 60	30 to 60	30 to 60	30 to 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	1.7 to 1.95	1.7 to 1.95	1.7 to 1.95	1.7 to 1.95	1.7 to 1.95	1.7 to 1.95
Shrinkage Test Method: ASTM D-955	0.05 to 0.2%	0.05 to 0.2%	0.05 to 0.2%	0.05 to 0.2%	0.05 to 0.2%	0.05 to 0.2%
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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