



## PRODUCT DATA SHEET

**PRODUCT SERIES: S20 SERIES SMC**  
**PRODUCT DESCRIPTION: SANITARY GRADE**

PROPERTIES	GLASS CONTENT10%		GLASS CONTENT15%		GLASS CONTENT20%	
	IMPERIAL	SI	IMPERIAL	SI	IMPERIAL	SI
Impact Strength-Izod Notched Test Method: ASTM D-256	10.0 ft.lb./in.	533 J/m	12.0 ft.lb./in.	640 J/m	14.0 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	158 MPa
Tensile Strength Test Method: ASTM D-638	6,000 psi	41 MPa	8,000 psi	55 MPa	9,500 psi	65 MPa
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	.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	1.7 - 1.95	1.7 - 1.95	1.7 - 1.95	1.7 - 1.95	1.7 - 1.95	1.7 - 1.95
Shrinkage Test Method: ASTM D-955	.05 - .2%	.05 - .2%	.05 - .2%	.05 - .2%	.05 - .2%	.05 - .2%
Flammability (Avg. 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 contained herein and in the data sheets is offered as a guide only. Since the values achieved in actual parts depend considerably on the part design and on the conditions of moulding and testing, no guarantee is implied regarding properties to be obtained in specific tests; the user is urged to make his own tests and judge for himself the suitability of the material for his use. Jet Moulding Compounds assumes no liability, either expressed or implied, for infringement of any patent by the manufacture, sale or use of articles moulded from its material.