



## PRODUCT DATA SHEET

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

PROPERTIES	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	16.0 ft.lb./in.	854 J/m	18.0 ft.lb./in.	960 J/m	20.0 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
Tensile Strength Test Method: ASTM D-638	9,000 psi	62 MPa	10,000 psi	69 MPa	12,000 psi	83 MPa
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 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.