



PRODUCT DATA SHEET

PRODUCT SERIES: S40 SERIES SMC
PRODUCT DESCRIPTION: LOW PRESSURE - LOW PROFILE AUTOMOTIVE GRADE

PROPERTIES	GLASS CONTENT 22%		GLASS CONTENT 27%		GLASS CONTENT 32%	
	IMPERIAL	SI	IMPERIAL	SI	IMPERIAL	SI
Impact Strength-Izod Notched Test Results: ASTM D-256	9.0 ft.lb./in.	480 J/m	12.0 ft.lb./in.	640 J/m	16.0 ft.lb./in.	854 J/m
Impact Strength-Izod Unnotched Test Results: ASTM D-4812	13.0 ft.lb./in.	694 J/m	15.0 ft.lb./in.	800 J/m	22.0 ft.lb./in.	1,174 J/m
Flexural Strength Test Results: ASTM D-790	20,000 psi	138 MPa	24,000 psi	165 MPa	28,500 psi	196 MPa
Flexural Modulus Test Results: ASTM D-790	1.25 E6 psi	8,613 MPa	1.29 E6 psi	8,888 MPa	1.30 E6 psi	8,957 MPa
Tensile Strength Test Results: ASTM D-638	8,500 psi	58.6 MPa	9,500 psi	65.5 MPa	10,500 psi	72.3 MPa
Tensile Modulus Test Results: ASTM D-638	1.8 E06 psi	12.7 GPa	1.9 E06 psi	13.0 GPa	1.9 E06 psi	13.0 GPa
Compressive Strength Test Results: ASTM D-695	25,000 psi	172 MPa	27,000 psi	186 MPa	28,000 psi	196 MPa
Water Absorption (24 Hrs @ 23C) Test Results: ASTM D-570	1.0% Max.	1.0% Max.	1.0% Max.	1.0% Max.	1.0% Max.	1.0% Max.
Barcol Hardness Test Results: ASTM D-2583	45 - 55	45 - 55	45 - 55	45 - 55	45 - 55	45 - 55
Heat Distortion Temp @ 264 psi Test Results: ASTM D-648	>400°F	>204°C	>400°F	>204°C	>400°F	>204°C
Specific Gravity (+/- .03) Test Results: ASTM D-792	1.80 - 1.85	1.78 - 1.83	1.78 - 1.83	1.78 - 1.83	1.78 - 1.83	1.78 - 1.83
Flammability (Avg. Burn Rate) Test Results: ASTM D-635	0.67 in./min.	1.7 cm/min.	0.67 in./min.	1.7 cm/min.	0.67 in./min.	1.7 cm/min.
Shrinkage Test Results: ASTM D-955	.0008±.0001 in./in.	.000±.0001 mm/mm	.000±.0001 in./in.	.000±.0001 mm/mm	.000±.0001 in./in.	.000±.0001 mm/mm

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.