



## PRODUCT DATA SHEET

**PRODUCT SERIES: S45 SERIES SMC**  
**PRODUCT DESCRIPTION: LOW PRESSURE, LOW TEMPERATURE, LOW PROFILE**

PROPERTIES	GLASS CONTENTS 22%		GLASS CONTENT 27%	
	IMPERIAL	SI	IMPERIAL	SI
Impact Strength-Izod Notched Test Method: ASTM D-256	11.4 ft.lb/in.	610 J/m	13.5 ft.lb/in.	720 J/m
Impact Strength-Izod Unnotched Test Method: ASTM D-4812	12.2 ft.lb/in.	650 J/m	14.5 ft.lb/in.	773 J/m
Flexural Strength Test Method: ASTM D-790	21170 psi	146 MPa	26500 psi	182 MPa
Flexural Modulus Test Method: ASTM D-790	1.392x10 <sup>6</sup> psi	9.6 GPa	1.55x10 <sup>6</sup> psi	13.1 GPa
Tensile Strength Test Method: ASTM D-638	7395 psi	51.0 MPa	8550 psi	58.9 MPa
Tensile Modulus Test Method: ASTM D-638	1.885x10 <sup>6</sup> psi	13.0 GPa	1.9x10 <sup>6</sup> psi	13.1 GPa
Compressive Strength Test Method: ASTM D-695	25520 psi	176 MPa	27000 psi	186 MPa
Water Absorption (24 Hrs @ 23C) Test Method: ASTM D-570	1.0% max.	1.0% max.	1.0% max.	1.0% max.
Barcol Hardness Test Method: ASTM D-2583	45-55	45-55	45-55	45-55
Heat Distortion Temp @ 264 psi Test Method: ASTM D-648	>400°F	>204°C	>400°F	>204°C
Specific Gravity (+/- .03) Test Method: ASTM D-792	1.80-1.85	1.80-1.85	1.80-1.85	1.80-1.85
Shrinkage Test Method: ASTM D-955	.0001±.00005 in/in	.0001±.00005 in/in	.0001±.00005 in/in	.0001±.00005 in/in

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.