



PRODUCT DATA SHEET

PRODUCT SERIES: S35 SERIES SMC
PRODUCT DESCRIPTION: HIGH STRENGTH VINYLESTER GRADE

PROPERTIES	GLASS CONTENT 37% - 42%		GLASS CONTENT 55% – 60%	
	IMPERIAL	SI	IMPERIAL	SI
Impact Strength -Izod Notched ASTM D-256	12.0-18.0 ft-lb/in	800 -1070 J/m	26.0-28.0 ft.lb./in	1387.1-1493.8 J/m
Impact Strength -Izod Unnotched ASTM D-4812	17.0 to 25.0 ft-lb/in	960 – 1330 J/m		
Flexural Strength ASTM D-790	34,000 - 38,000 psi	235 – 260 MPa	48,500-52,000 psi	334.1 - 358.2 MPa
Flexural Modulus ASTM D-790	1.20 – 1.50 E6 psi	8.3 – 10.3 GPa	2.2 - 2.5 E6 psi	15.16 - 17.2 GPa
Tensile Strength ASTM D-638	20,000 – 23,000 psi	140 - 160 MPa	28,000 - 32,000 psi	192.8 - 220.5 MPa
Tensile Modulus ASTM D-638	1.75 – 2.0 E6 psi	12.0 – 14.0 GPa	2.0 – 2.1 E6 psi	13.80 – 14.40 GPa
Compressive Strength ASTM D-695	26,000 - 29,000 psi	180 - 200.0 MPa	24,000 - 27,000 psi	165.3 - 186.0 MPa
Water Absorption (24 Hrs @ 23C) ASTM D-570	0.1 - 0.3 %	0.1 - 0.3%	.28 - .35 %	.28 - .35%
Heat Distortion Temp @ 264 psi ASTM D-648	>400 F	>204 C	>400 F	>204 C
Specific Gravity (∇ 0.03) ASTM D-792	1.65 - 1.85	1.65 - 1.85	1.78 - 1.80	1.78 - 1.80
Thermal Conductivity ASTM D-648			0.35 - 0.37	0.35 - 0.37

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.