



PRODUCT DATA SHEET

PRODUCT SERIES: S52 SERIES SMC
PRODUCT DESCRIPTION: DOCKET 90A – ASTM E162 / ASTM E662

PROPERTIES	GLASS CONTENT 22%		GLASS CONTENT 28%	
	IMPERIAL	SI	IMPERIAL	SI
Impact Strength-Izod Unnotched Test Method: ASTM D-4812	12.7 ft.lb/in	680J/m	18.0 ft.lb/in	967 J/m
Flexural Modulus Test Method: ASTM D-790	1.550E+06 psi	10700 MPa	1.480E+06 psi	10200 MPa
Flexural Strength Test Method: ASTM D-790	21000 psi	145 MPa	22500 psi	155 MPa
Tensile Strength Test Method: ASTM D-638	9250 psi	64 MPa	10500 psi	72 MPa
Tensile Modulus Test Method: ASTM D-638	2.223E+06	15400 MPa	2.335E+06	16100 MPa
Compressive Strength Test Method: ASTM D-695	23,200 psi	160 MPa	23200 psi	160 MPa
Water Absorption (24 Hrs @ 23C) Test Method: ASTM D-570	0.170 %	0.170 %	0.180 %	0.180 %
Barcol Hardness Test Method: ASTM D-2583	55 to 60	55 to 60	60 to 65	60 to 65
Specific Gravity (+/- .03) Test Method: ASTM D-792	1.83	1.83	1.90	1.90
Shrinkage Test Method: ASTM D-955	0.090%	0.090%	0.110%	0.110%
Flame Spread Index ASTM E162	35	35	35	35
Specific Optical Density @ 1.5 min ASTM E662	Flaming - 1	Non-Flaming - 1	Flaming - 1	Non-Flaming - 1
Specific Optical Density @ 4 min ASTM E662	Flaming - 8	Non-Flaming - 14	Flaming - 8	Non-Flaming - 14
Arc Resistance (Sec.) Test Method: ASTM D-495	180	180	180	180
Dielectric Strength (S.T., Perp, kV/thickness) Test Method: ASTM D-149	0.440 kV/mil	17.3 kV/mm	0.440 kV/mil	17.3 kV/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.