



PRODUCT DATA SHEET

PRODUCT SERIES: S50 SERIES SMC
PRODUCT DESCRIPTION: ELECTRICAL GRADE

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.

PROPERTIES	GLASS CONTENT 15%		GLASS CONTENT 22%		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	17.0 ft.lb./in.	907 J/m	20.0 ft.lb./in.	1067 J/m
Flexural Strength Test Method: ASTM D-790	15,000 psi	69 MPa	20,000 psi	138 MPa	25,000 psi	172 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	23,000 psi	158 MPa	25,000 psi	172 MPa	28,000 psi	193 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	1.80-2.0	1.80-2.0	1.80-2.0	1.80-2.0	1.80-2.0	1.80-2.0
Shrinkage Test Method: ASTM D-955	.001-.003 in/in	.001-.003mm/mm	.001-.003 in/in	.001-.003mm/mm	.001-.003 in/in	.001-.003mm/mm
Flammability @ 1.47 mm thickness Test Method: ASTM D-635	AEB<.20 in.ATB=5 sec.	AEB<5mmA TB=5 sec.	AEB<.20 in.ATB=5 sec.	AEB<5mmA TB=5 sec.	AEB<.20 in.ATB=5 sec.	AEB<5mmA TB=5 sec.
Ignition Temperature Test Method: UL Test Method	968 F	520 C	968 F	520 C	968 F	520 C
Track Resistance Test Method: Incline Plane	820	820	820	820	775	775
Dielectric Strength (S.T., Perp, VPM) Test Method: ASTM D-149	550	550	550	550	550	550