



PRODUCT DATA SHEET

PRODUCT SERIES: S72 SERIES SMC

DESCRIPTION: ELECTRICAL GRADE- UL/CSA RECOGNIZED (UL FILE NO. E84051)

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	1087J/m
Flexural Strength Test Method: ASTM D-790	25,000 psi	172 MPa	28,000 psi	193 MPa	30,000 psi	207 MPa
Tensile Strength Test Method: ASTM D-638	9,500 psi	65 MPa	10,500 psi	72 MPa	12,000 psi	83 MPa
Compressive Strength Test Method: ASTM D-695	25,000 psi	172 MPa	28,000 psi	193 MPa	30,000 psi	207 MPa
Water Absorption (24 hrs @ 23°C) 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	1.85-2.0	1.85-2.0	1.8-2.0	1.8-2.0	1.8-2.0	1.8-2.0
Shrinkage Test Method: ASTM D-955	.001-.003in/in	.001-.003 mm/mm	.001-.003in/in	.001-.003 mm/mm	.001-.003in/in	.001-.003 mm/mm
Flammability @ .47 mm thickness Test Method: UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0
Ignition Temperature Test Method: UL Test Method	968 °F	520 °C	968 °F	520 °C	968° F	520 C
Oxygen Index Test Method: ASTM D-2863	46.0-50.0	46.0-50.0	46.0-50.0	46.0-50.0	46.0-50.0	46.0-50.0
Arc Resistance Test Method: ASTM D-495	300+	300+	300+	300+	300+	300+
Track Resistance Test Method: Incline Plane	1050+	1050+	1050+	1050+	1050+	1050+
Dielectric Strength (ST,Perp,VPM) Test Method: ASTM D-149	550	550	550	550	550	550
Radiant Panel, Is Test Method: ASTM E-162	15 - 30	15 - 30	15 - 30	15 - 30	15 - 30	15 - 30
Smoke Density, Ds (1.5 min) Test Method: ASTM E-662	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2
Smoke Density, Ds (4 min) Test Method: ASTM-E-662	6 - 21	6 - 21	6 - 21	6 - 21	6 - 21	6 - 21
Comparative Tracking Index (V) Test Method: ASTM D-3638	600+	600+	600+	600+	600+	600+

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.