



TECHNICAL SPECIFICATIONS - BUSBAR SUPPORTS AND STANDOFF INSULATORS



	Units	Test Methods	SMC	DMC	EPOXY
PHYSICAL PROPERTIES					
Specific Gravity	-	ASTM D - 792	1.7	1.9	1.6 - 2.0
Glass Contents	%	N.A.	25	15	-
Water Absorption (24 hrs)	%	ASTM D - 570	0.2	0.15	0.04 - 0.1
MECHANICAL PROPERTIES					
Tensile Strength	kg/sq cm	ASTM D - 638	700	400	750 - 400
Flexural Strength	kg/sq cm	ASTM D - 790	1550	700	800
Compressive Strength	kg/sq cm	ASTM D - 695	1800	1500	1600
Impact Strength Izod	J/m	ASTM D - 265	600	250	10
ELECTRICAL PROPERTIES					
Tracking Index	volts	IEC 60112	1000	1000	+600
Di-electric strength	KV/mm	ASTM D - 149	12	12	18
Arc Resistance	secs	ASTM D - 495	+180	+180	+180
Flammability	Self Extinguishing				
Glow wire Ignition Test (over 3mm thick specimen)	°C	IEC 60695-2-13	960	960	746/930
Hot Wire Ignition Test	°C	ASTM D-3874	>120	>120	7-15
Working Temperature	°C	--	-40 to +135	-40 to +135	-40 to +135

TOLERANCE CHART	
DM (mm)	Tolerance
1 – 15	0.25 mm
16 – 50	0.5 mm
51 – 100	1.0 mm
101 – 250	1.5 mm
250 & above	2.0 mm