



Specifications for High Voltage Insulators

TECHNICAL SPECIFICATIONS DMC/SMC EPOXY

Properties	Units	Test Methods (ASTM)	Values		
			SMC	DMC	EPOXY
Physical					
Specific Gravity		D - 792	1.7	1.9	1.6 - 2.0
Glass Contents	%	N.A.	25	15	-
Water Absorption (24hrs)	%	D - 570	0.2	0.15	.04 - 0.1
Mechanical					
	2				
Tensile Strength	Kgf/Cm ²	D - 638	700	400	750 - 400
Flexural Strength	Kgf/Cm ²	D - 790	1550	900	800
Compressive Strength	Kgf/Cm	D - 695	1800	1500	1600
Impact Strength Izod	J/m	D - 265	600	250	-
Electrical					
Dielectric Strength	KV/mm	D - 149	12	10	13
Tracking Index	Volts	BS - 5901	+ 600	+ 600	+ 600
ARC Resistance	Secs	D - 495	+ 180	+ 180	+ 180
Flammability	Self extinguishing				
Tolerance Chart		The above values are for the standard formula followed by the company but we have facilities for manufacturing SMC, DMC & EPOXY according to the customer Requirements.			
DIM (mm)	Tolerance ()	(SMC = Sheet Moulding Compound) (DMC = Dough Moulding Compound)			
1 - 15	0.25 mm	<p align="center">Important Note</p> For technical notes of DMC, SMC, bus bar supports, short circuit and fault level calculations please ask for our brochure NO: T - 01/99			
16 - 50	0.5 mm				
51 - 100	1.0 mm				
101 - 250	1.5				
250 & above	2 mm				

