



GLASS REINFORCED POLYESTER DOUGH MOULDING COMPOUND

DMC

Test Standard: IS: 13411-1992				
S.No.	Properties	Specification		
		Grade D1	Grade D2	Grade D3
1	Density g/cm ³	1.6 to 2.0		
2	Glass Content , %	15	20	20
3	Flammability	V0	V0	V0
4	Water Absorption, %, max.	0.2		
5	Izod Impact Strength (Notched) KJ/M ² , min.	15	20	18
6	Flexural Strength, min.	40	60	50
7	Modulus of elasticity MPa	5x10 ³		
8	Surface resistivity (24h in water) ohm, min.	1x10 ⁹	1x10 ¹⁰	1x10 ¹¹
9	Volume resistivity (24h in water) ohm-cm, min.	1x10 ¹²	1x10 ¹⁴	1x10 ¹⁴
10	Tracking resistance, CTI, Min.	400	400	800
11	Power arc resistance, Sec, min.	100	120	160
12	Dielectric strength at 90 °C in oil KV/mm, Min.	8	8	10
13	Dissipation factor, 4 days at 80% RH at 1 KZ	0.03	0.03	0.01
14	Heat distortion temperature, °C, Min.	105	110	120
15	Oxygen index, % min.	23	25	25
16	Continuous use temperature (Long term) °C temperature, max.	100	110	110