

## DMC

<b>Components</b>	DMC
<b>Colour :</b>	As per Customer Requirement
<b>EN 60893 :</b>	DMC
<b>NEMA :</b>	
<b>DIN 7735 :</b>	

AS PER ISO / IEC / ASTM

<b>Mechanical Properties</b>	<b>Testmethod</b>	<b>Thickness</b>	<b>Value</b>	<b>Unit</b>
Flexural Strength	ISO 178 - 01-E	≥ 3.0 mm	73.81	Mpa
Flexural Modulus of elasticity	ISO 178 - 01-E	≥ 3.0 mm	10969.000	Mpa
Compressive Strength	ISO 604-73(E)	≥ 3.0 mm	115.06	Mpa
Izod impact strength, parallel	ISO 180	≥ 3.0 mm	114.46	J/m
Tensile strength	ISO 527-1-193	≥ 3.0 mm	26.042	Mpa
Elongation	ISO 527-1-193	≥ 3.0 mm	0.284	%
<b>Electrical Properties</b>		<b>Thickness</b>	<b>Value</b>	<b>Unit</b>
Electric Strength (Short time test) in oil 50° C	ASTM D 149-97a	≥ 3.0 mm	13.1	kv/mm
Dissipation factor (250v/50 Hz)	ASTM D 150-98	≥ 3.0 mm	0.027	
Insulation resistance after immersion in water 1	IEC 167-1964	≥ 3.0 mm	9.2 X 10 <sup>7</sup>	MΩ
Comparative tracking index	ASTM D 3638-93	≥ 3.0 mm	>600	CTI
ARC Resistance	ASTM D 495-99	≥ 3.0 mm	186.9	Sec.
Breakdown Voltage in oil	IEC -60243 ( pt.1 ) 1998	≥ 3.0 mm	49.8	KV
<b>Physical and thermal Properties</b>		<b>Thickness</b>	<b>Value</b>	<b>Unit</b>
Flammability				
Density	ISO:1183-2004	≥ 3.0 mm	1.81	g/cm <sup>3</sup>
Water absorption after immersion in water - for 24 hrs at 23 0 C	ISO 62 - 1999	≥ 3.0 mm	0.135	mg

### Characteristics and applications

Goods electrical properties such as high breakdown voltage in air and oil and highest arc resistance and tracking resistance. Self-extinguishing. Low smoke emission, halogen - free  
Used as an insulation material in electrotechnical construction such as plate - enclosed distribution systems, partition plates, busbar carriers, etc,

### Notes

A) Thickness :- Available from 2 mm up to 50 mm

The above values are average values based on the results of extensive testing in laboratories

### MULTI CRAFTS

81 - B / 6, "GENERAL BLOCK"

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