

## M6

## SHEET

**Composite:** kraft paper – modified thermosetting resin

**Color:** brown

Closest Standards: IEC60893 PFCP202 / NEMA LI1 XX

### CHARACTERISTIC AND APPLICATIONS

Composite with good mechanical and electric properties , suitable for applications in high voltage. M6 show also anti-tracking properties and resistance to high temperatures.

#### Mechanical properties

<b>Flexural strenght</b>	(ISO 178)	160 MPa
<b>Compressive strenght</b>	(ISO 604)	320 MPa
<b>Tensile strenght</b>	(ISO 527)	110 MPa

#### Electrical Properties

<b>Electrical strenght at 90°C,in oil, perpendicular to lamination</b>	(IEC 243-1)	20 kV/mm	(2 mm)
<b>Break down voltage, at 90°C in oil, parallel to laminations</b>	(IEC 243-1)	60 kV	
<b>Tracking index</b>	(IEC 60112)	>600 V	

## Physical and thermal properties

<b>Density</b>	(ISO 1183)	1,4-1,5 gr/cc
<b>Water absorption</b>	(ISO 62)	0.9%
<b>Max working temperature</b>	(ISO 11357-2)	120°C
<b>Insulating class</b>	(CEI)	E

Note: Above listed features are the result of tests performed in FILP internal laboratory and on products obtained from current production. Deviations from average values on these material may normally occur. Suggestion and indications to final user are provided just to draw user's attention to check the product features on his own. User has to test the product to determine its suitability to the required application.

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