

M6

TUBES

Composite:	kraft paper – modified epoxy resin	
Color:	brown	
Closest standards	IEC 61212 DIN 7735 NEMA LI1	PFCP22 Hp 2066 XX

CHARACTERISTICS AND APPLICATIONS

Composite for mechanical and electrical applications in high-voltage constructions. M6 has also anti-tracking properties.

Mechanical properties

Flexural strenght	(ISO 178)	100 MPa
Compressive strenght	(ISO 604)	80 MPa
Cohesion between layers	(EN 61212-2)	100 MPa

Electrical Properties

Electrical strength at 90°C, in oil, perpendicular to lamination	(IEC 243-1)	13.5 kV/mm
Break down voltage, at 90°C in oil, parallel to laminations	(IEC 243-1)	55 Kv
Comparative tracking index	(IEC 60112)	>600 V

Physical and thermal properties

Density	(ISO 1183)	1,2-1,3 gr/cc
Water absorption	(ISO 62)	1.2%
Max working temperature	(ISO 11357-2)	150°C

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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