

M44

TUBES

Composite:	Cotton cloth- phenolic resin	
Color:	brown	
Standards:	IEC 61212 DIN 7735 NEMA LI1	PFCC22 Hp 2085 C

CHARACTERISTICS AND APPLICATIONS

Composite for mechanical applications , where is required wear-resistance, low friction, ,lubrication with oil or water. Cotton cloth of medium texture.

Mechanical properties

Flexural strenght	(ISO 178)	80 MPa
Compressive strenght	(ISO 604)	180 MPa
Cohesion between layers	(EN 61212-2)	140 MPa

Electrical Properties

Electrical strength at 90°C,in oil, perpendicular to lamination	(IEC 243-1)	1 kV/mm
Break down voltage, at 90°C in oil, parallel to laminations	(IEC 243-1)	9 Kv

Physical and thermal properties

Density	(ISO 1183)	1,2 gr/cc
Water absorption	(ISO 62)	1,3%
Oil absorption	(Filp internal)	0,37%
Dimensional stability (external diameter, in oil at 100° for 2 hours)	(Filp internal)	0,28%
Max working temperature	(ISO 11357-2)	120°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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