

M33

TUBES

Composite:	glass fabric – epoxy resin	
Color:	yellow-beige	
Standards:	IEC 61212 DIN 7735 NEMA LI1	EPGC22 Hgw 2375.4 G11

CHARACTERISTICS AND APPLICATIONS

Composite for mechanical and electrical applications in medium-high voltage constructions, even at high temperatures. Good machinability and low water absorption.

Mechanical properties

Flexural strenght	(ISO 178)	350 MPa
Compressive strenght	(ISO 604)	170 MPa
Cohesion between layers	(EN 61212-2)	400 MPa

Electrical Properties

Electrical strength at 90°C, in oil, perpendicular to lamination	(IEC 243-1)	10 kV/mm
Break down voltage, at 90°C in oil, parallel to laminations	(IEC 243-1)	40 Kv
Permittivity at 48-62 Hz	(IEC 250)	5,2
Dissipation factor at 48-62 Hz	(IEC 250)	0,04

Physical and thermal properties

Density	(ISO 1183)	1,8 gr/cc
Water absorption	(ISO 62)	<0.25%
Max working temperature	(ISO 11357-2)	180°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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