

## M15

## TUBES

<b>Composite:</b>	kraft paper – epoxy resin	
<b>Color:</b>	brown	

### CHARACTERISTICS AND APPLICATIONS

Composite for mechanical and electrical applications in low-voltage constructions, to be used in normal humidity air conditions. Also used as mandrels for textile or internal core for abrasives industry. Alternative to M14, with better properties.

### Mechanical properties

<b>Flexural strenght</b>	(ISO 178)	120 MPa
<b>Compressive strenght</b>	(ISO 604)	100 MPa
<b>Cohesion between layers</b>	(EN 61212-2)	120 MPa

### Electrical Properties

<b>Electrical strength at 90°C, in oil, perpendicular to lamination</b>	(IEC 243-1)	10 kV/mm
<b>Break down voltage, at 90°C in oil, parallel to laminations</b>	(IEC 243-1)	30 Kv

## Physical and thermal properties

<b>Density</b>	(ISO 1183)	1,1-1,2 gr/cc
<b>Water absorption</b>	(ISO 62)	1%
<b>Max working temperature</b>	(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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