

LANTEX FILAMIC® FT19M Product Data Sheet

Material details

Grade:	FT19M (Type: Silicone Bonded Muscovite Mica).	
Description:		
Comments:	Our most popular grade of mica tube, FT19M is composed of muscovite mica bonded with silicone resin. The material possesses excellent electrical and thermal properties, and is used in a wide variety of applications. FT19M material does not support combustion and can withstand a constant temperature of 650°C.	
Specifications:	BSEN 61212-3-1:SIMP21	
Body Colour:	Silver / Grey	
Standard Sizes:	1220 mm trimmed (max) Min ID 3.2mm, Min wall 0.8mm	Above 80.0mm overall diameter length 950.0mm

General properties:	Unit of measure:	Typical Value:
Density	Mg/m ³	1.8
Water Absorption	Mg/cm ²	1.5
Flammability Category†		-

Electrical properties:	Unit of measure:	Typical Value:
IR (24hrs Water Immersed)	M Ω	1
Electrical strength Parallel to Laminate in oil at 90°C	KV	22
Electrical strength normal to Laminate in oil at 90°C	MV	10

Mechanical properties:	Unit of measure:	Typical Value:
Cohesive Strength	Mpa	
Compressive Strength	Mpa	

Thermal properties:	Unit of measure:	Typical Value:
Thermal Rating Continuous	°C	600-700

Notes:

† The test method is used solely to control and monitor consistency of production. Under no conditions should the results be considered in relation to fire hazards under actual conditions of use.

Disclaimer: The above values are based upon routine test data and do not form the basis of a supply contract. These products may be used in a diverse range of applications and whilst every effort is made to ensure the information in this data sheet is accurate, it must be stressed that it is the user's responsibility to ensure suitability for the intended end use.

Note tubes with a wall thickness of 12.7mm and over or a wall thickness equal or greater than the ID could contain stress cracks/voids.