

Micaver[®] LLF

Long Creeping Distance

Since 1922, Saint-Gobain Quartz formerly known as Quartz & Silice is a solution provider to Aeronautic, Defense and Railway industries. Based in Nemours (France) and also in Louisville, Kentucky (US), Saint-Gobain Quartz is recognized as world-wide leader in the production of mica-glass insulators which are commercialized under the brand name Micaver[®].

Micaver[®] insulators are made from glass frit and mica sheets molded around two metallic inserts. This composite material allows to mechanically hold two parts together while insulating them electrically. These functions are maintained under various environmental conditions (vibrations, rain, etc.), thermal shocks and high operating temperature.

Micaver[®] insulators are classified A1 and therefore do not burn (EN45545-2). For upgraded product performances, including 96h salt mist test resistance, we recommend the use of inserts made with Stainless steel 304L which allow full compliance with NF F 61-016.

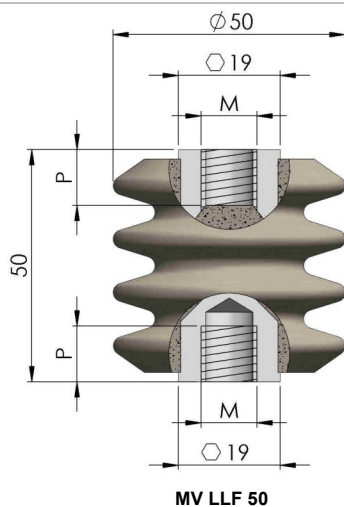


NOMENCLATURE AND TECHNICAL DATA

The following table gives details of standard MV LLF products:

Models	Inserts		Type					Weight (kg)	Creeping dist. (mm)
	Nickel coated	SS 304L		M (mm)	P (mm)	L (mm)	Pitch		
MV LLF	√*	√*	2 tapped holes	8	8	35	125	0.11	70.0
				10	8	35	150	0.11	70.0
	√*	√*	2 tapped holes	10	12	50	150	0.27	102.0
				12	12	50	175	0.27	102.0
	√*	√*	2 tapped holes	10	12	60	150	0.45	160.0
				12	12	60	175	0.46	160.0

* Special MOQ & lead-time. Please contact us for further information.



MV LLF 50

Characteristics	Description	LLF 35	LLF 50	LLF 60	Unit
Mechanical	Tensile strength	≥ 800	≥ 1900	≥ 1000	daN
	End flexural strength (≥ M10)	≥ 160	≥ 400	≥ 200	daN
	Torsion resistance (≥ M10)	≥ 2.3	≥ 4.5	≥ 4.5	daN.m
Electrical*	Arc-over voltage (dry surface)	N/A	N/A	N/A	kV
	Breakdown voltage	≥ 20	≥ 24	≥ 35	kV
	Insulation resistance (1000 V)	≥ 10 ⁶	≥ 10 ⁶	≥ 10 ⁶	MΩ

*Test conditions: Voltage: 16 kV (LLF35) / 20 kV (LLF50) / 27 kV (LLF60) - Frequency: 50 Hz - Duration: 1 min

The information given in this data sheet is believed to be accurate and reliable. However it is the users responsibility to determine whether the material is suitable for their particular application, process and/or environment. This data sheet may be modified without prior notice. Micaver[®] is a registered trademark of Saint-Gobain Quartz S.A.S. Version MVLLF-A4-EN-05/21 - All rights reserved

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