

mica products

Flexiso® SP FI 13402

Application: Flexiso® SP FI 13402 is applied for all important cable systems (power cables, installation cables, data processing systems, etc.). Flexiso® SP FI 13402 doesn't contain halogens or toxic gases. Due to its flexibility and high tensile strength it can be easily processed on high speed vertical or horizontal winding machines (up to 3000 R/min) (one or multiple layers with 10 – 50 % overlapping acc. to applied norm). Flexiso® SP FI 13402 is compatible with every extrusion-process which use elastomers (polyethylene, polypropylene, etc.) and silicone rubber.

Components: Flexiso® SP FI 13402 is made of unique synthetic mica paper which is impregnated with a special formulated silicone elastomer and enhanced with PE-film.

Delivery forms: Flexiso® SP FI 13402 is available in a thickness of 0,125 mm and 0,140 mm ($\pm 0,015$ mm). Available widths are 6-1000 mm. Flexiso® SP FI 13402 can be delivered with a length of 300 – 2000 m with a core diameter of 76 mm or 120 mm. Specific cross-wound spools (6 – 20 mm) can be applied if needed. Other delivery forms upon customer request.

Storage conditions: Flexiso® SP FI 13402 should be stored dry and cool. Direct solar radiation, moisture and high temperature differences should be avoided. It lasts for min. 12 months if stored at RT (20°C).

Dr. Dietrich Müller GmbH

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Properties	Unit	Value	
Nominal thickness	mm	0,125 (± 0,15)	0,140 (± 0,015)
Surface weight	g/cm ²	158 (± 10)	204 (± 14)
mica content	g/cm ²	120 (± 5)	160 (± 8)
Film content	g/cm ²	25 (± 2)	25 (± 2)
Binder content	g/cm ²	13 (± 3)	19 (± 3)
Dielectric strength	kV/position	>6	>6
Tensile strength	N/cm	≥80	≥80
Stiffness	N/cm	<55	<65
Coefficient of thermal conductivity	W/m°C	0,2-0,25	0,2-0,25

Trademark information: Flexiso® is a registered trademark of company Dr. Dietrich Müller GmbH, Germany.

Please note:

The information in this data sheet is based on our current knowledge and experience. They do not disengage the fabricator and user from own tests and inspections because of the plenty of possible effects. There is no judicial binding assurance of certain properties or of the qualification for a concrete application in our declaration. We recommend consulting us in individual cases. The acceptor of our products has to observe possible industrial property rights as well as present laws by himself.

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