

Silicone-polyester coating

Medical silicone-polyester coating type N(M) 1

Properties

- Excellent electrical insulation
- Breakdown voltage > 1200 volts at 40µm coating thickness
- Good non-stick properties
- High elasticity
- Thin coatings possible
- Sterilizable
- Approved for medical purpose (24h acc. to ISO10993:5)

Physical properties	
Non-stick	good
Contact angle to water	ns
Contact angle to hexadecane	ns
Heat resistance	ns
Colour	white

Chemical resistance	
Solvents	good
Organic acids and oils	good
Inorganic acids	good
Inorganic bases	-

Substrate materials	
Stainless steel	yes
Aluminium	yes
Non-ferrous metals	ns
Glass	yes
Plastics	partly

Coating process	
Coating thickness	20-80 µm
Dipping process	ns
Spray application	yes
Sintering process	yes
Maximal thermal substrate stress	300 °C

Fields of application

- Diagnostics: -
- Chromatography: -
- Industry / general: Thin-film insulation coating
- Medical: Insulation coating of needles for anesthesia

The information in this datasheet is based on data from our suppliers, feedback from customers and our research. The information is non-binding and for information purpose only.

Specific, technical and chemical investigations are gladly carried out according to our customers' specifications.

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