

## Silicone-polyester coating

### Medical silicone-polyester coating type N(M) 2

#### Properties

- Excellent electrical insulation at small coating thickness
- Good non-stick properties
- High elasticity
- Hohe Elastizität
- No addition of pigments
- Minimal coating thickness
- Sterilizable (tests pending)
- Medical approval (tests not prepared yet)

Physical properties	
Non-stick	good
Contact angle to water	ns
Contact angle to hexadecane	ns
Heat resistance	ns
Colour	colourless, transparent

Chemical resistance	
Solvents	ns
Organic acids and oils	ns
Inorganic acids	ns
Inorganic bases	ns

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

Coating process	
Coating thickness	8-12 µm*
Dipping process	yes*
Spray application	yes
Sintering process	yes
Maximal thermal substrate stress	300 °C

\*) The coating thickness is approx. 1 µm ff applied by dipping process

#### 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.