

Fluoropolymer coating

Optimized fluoropolymer coating epoxy/amine basis with PTFE type N(T) 22

Properties

- Hydrophobic and oleophobic surface
- Excellent non-stick coating
- Corrosion protection, especially for environmental influences
- Minimal coating thickness
- High temperature stability (up to 200°C in long-term use)
- Electrically insulating surface
- Suited for dipping process

Physical properties	
Non-stick	excellent
Contact angle to water	ns
Contact angle to hexadecane	ns
Heat resistance	-50 to 220°C
Colour	silver or black

Chemical resistance	
Solvents	excellent
Organic acids and oils	excellent
Inorganic acids	very good
Inorganic bases	good

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

Coating process	
Coating thickness	10 µm possible 15-20µm optimal
Dipping process	yes
Spray application	no
Sintering process	yes
Maxmal thermal substrate stress	180-250°C

Fields of application

- Diagnostics: Chemically resistant inside coating for needles, coating of needles and wires
- Industry / general: Coating of threaded connections, coating especially for surfaces under environmental influences such as thawing salt and acid rain.

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.