

Fluoropolymer coating

FEP formulated coating type N(T) 9

Properties

- Hydrophobic and oleophobic surface
- Excellent non-stick coating
- Low coefficient of friction
- Good corrosion protection
- Minimal coating thickness
- Electrically insulating surface
- Low baking temperature
- Optimized for dipping process

Physical properties	
Non-stick	excellent
Contact angle to water	>100°
Contact angle to hexadecane	ns
Heat resistance	up to 150°C + black, other colours on request
Colour	black, other colours on request

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

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

Coating process	
Coating thickness	10- 25 µm
Dipping process	yes
Spray application	yes
Sintering process	yes
Maximal thermal substrate stress	160 – 250°C

Fields of application

- Diagnostics: Chemical resistant inside coating on needles, ion barrier, enhancing the corrosion protection on the inside of the needle
- Industry / general: Coating of bolts, lowering the coefficient of friction, enhancing the corrosion protection, sterilisable

The information on 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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