

Fluoropolymer coating

Conducting PTFE coating type N(T) 16

Properties

- Hydrophobic and oleophobic surface
- Excellent non-stick coating
- Optimized for conducting surfaces (10^4 - $10^5 \Omega$ on glass)
- Minimal coating thickness
- High temperature stability (up to 205°C in long-term use)
- Good abrasion and wear resistance

Physical properties	
Non-stick	excellent
Contact angle to water	ns
Contact angle to hexadecane	ns
Heat resistance	up to 205°C
Colour	blach, other colours on request

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	15- 25 μ m
Dipping process	no
Spray application	yes
Sintering process	yes
Maximal thermal substrate stress	375-420 °C

Fields of application

- Diagnostics: Electrically conducting outside coating on needles.
- Industry / general: Conducting fluoropolymer coating on parts made out of steel, stainless steel and further metals

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.

NANOSOL AG | Landstrasse 16 | 9496 Balzers | Liechtenstein | 📞 +423 375 79 50 | 📠 +423 375 79 55

✉ info@nanosol.com | 🌐 www.nanosol.com