

Fluoropolymer coating

Optimized PTFE coating type N(T) 15

Properties

- Hydrophobic und oleophobic surface
- Excellent non-stick coating
- Optimal ratio of low friction coefficient and abrasion resistance
- Improved resistance to wear
- Minimal coating thickness
- High temperature stability (up to 260°C long-term use)
- Hard and abrasion resistant surface
- Electrically insulating surface
- Approved for use in food industry

Physical properties	
Non-stick	excellent
Contact angle to water	ns
Contact angle to hexadecane	ns
Heat resistance	up to 285°C
Colour	black, other colors 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 µm
Dipping process	no
Spray application	yes
Sintering process	yes
Maximal thermal substrate stress	220 – 350°C

Fields of application

- **Diagnostics:** Chemically resistant outside coating of hollow needles. Lowering the coefficient of friction at cup piercing.
- **Chromatography:** Lowering the coefficient of friction at cup piercing.
- **Industry / general:** Coating of bolts, lowering the coefficient of friction, hard slide coating working in high temperature use, wear-resistant dry lubrication

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.