

Fluoropolymer coating

Amorph PTFE coating type N(T) 14

Properties

- Hydrophobic and oleophobic surface
- High flexural strength
- Good corrosion protection
- Minimal coating thickness
- Electrically insulating surface

Physical properties	
Non-stick	excellent
Contact angle to water	>100°
Contact angle to hexadecane	ns
Heat resistance	up to 150°C
Colour	colourless, transparent

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

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

Coating process	
Coating thickness	0.2-1 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, enhancing the drip-off characteristics of very small inner diameters
- **Industry / general:** Thin-film coating on most surfaces, enhancing the insulation

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.