

Fluoropolymer coating

PPS-PTFE-2 coating system type N(T) 19

Properties

- Hydrophobic and oleophobic surface
- Excellent non-stick coating
- Excellent abrasion resistance
- Excellent chemical resistance
- Excellent corrosion protection
- High temperature stability (up to 230°C long-term use)
- Hard and abrasion-resistant surface
- Electrically insulating surface

Physical properties	
Non-stick	excellent
Contact angle to water	ns
Contact angle to hexadecane	ns
Heat resistance	up to 260°C
Colour	black

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

Substrate materials	
Stainless steel	yes
Aluminium	partly
Non-ferrous metals	partly
Glass	partly
Plastics	no

Coating process	
Coating thickness	150-250 µm
Dipping process	no
Spray application	yes
Sintering process	yes
Maximal thermal substrate stress	375-420°C

Fields of application

- Diagnostics: ns
- Chromatography: ns
- Industry / general: Coating of substrates in aggressive environment. Corrosion and chemical resistance in high temperature usage with very good non-stick properties.

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.