

## Fluoropolymer coating

### PPS-PTFE coating type N(T) 18

#### Properties

- Slightly hydrophobic and oleophobic surface
- Good non-stick coating
- Excellent abrasion resistance
- Excellent chemical resistance
- Excellent corrosion protection
- Optimized as primer for type N(T) 19
- High temperature stability (up to 245°C in long-term use)
- Hard and abrasion resistant surface
- Electrically insulating surface

Physical properties	
Non-stick	medium
Contact angle to water	ns
Contact angle to hexadecane	ns
Heat resistance	up to 260°C
Colour	red brown

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	76-127 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 parts in aggressive media, corrosion and chemical resistant coating at high temperatures.  
As optimized primer and corrosion protection combined with N(T) 19 (improved non-stick properties)

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.