

Fluoropolymer coating

Ceramic enhanced PES-/PTFE coating type N(T) 2

Properties

- Hydrophobic and oleophobic surface
- Non-stick coating
- Minimal coating thickness
- High temperature stability (up to 230°C in long-term use)
- Hard and abrasion resistant surface
- Electrically insulating surface
- Food approval

| Physical properties | |
|-----------------------------|---------------------------------|
| Non-stick | very good |
| Contact angle to water | approx. 110° |
| Contact angle to hexadecane | > 60° |
| Heat resistance | up to 250°C |
| Colour | black, 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- >40 µm |
| Dipping process | no |
| Spray application | yes |
| Sintering process | yes |
| Maximal thermal substrate stress | 250 – 420°C |

Fields of application

- Diagnostics: Insulating outside coating on needles, improvement of drip-off characteristics, lowering the coefficient of friction at cup piercing
- Chromatography: Lowering the coefficient of friction at cup piercing
- Industry / general: Coating of apertures, lowering the coefficient of friction, non-stick coating on cooking and baking tools

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.