

PEEK coating

Fluor-optimized polyether ether ketone type N(P) 1

Properties

- Hydrophobic and oleophobic surface
- Very good non-stick properties
- Very good slide properties
- Very high temperature stability
- Hard and abrasion resistant surface
- Superb wear protection
- Superb radiation resistance

Physical properties	
Non-stick	very good
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	very good
Inorganic acids	very good
Inorganic bases	very good

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

Coating process	
Coating thickness	at least 20 µm
Dipping process	no
Spray application	yes
Sintering process	yes
Maximal thermal substrate stress	415 °C

Fields of application

- Diagnostics: Chemical resistant non-stick coating on needles for cup-piercing
- Industry / general: Wear protection layer on components made out of stainless steel and steel, chemical resistant non-stick/slide coating, insulation coating for galvanic components

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.