

DOSGLIDE PLUS

Special surface treatment for metal components / nanotechnology

Advantages over conventional technologies

- ✓ **Outstanding non-stick properties**
- ✓ **Absolute accuracy of surface replication with a tolerance of approx. +/- 1 µm**
- ✓ **Extremely low sliding friction**
- ✓ **Hardness up to approx. 1000 HV**
- ✓ **Constant temperature resistance up to 300°C / 572 °F (peaks up to 340°C / 645°F)**
- ✓ **Chemical resistance > PH 4.0**

Specifications

Hardness in micro Vickers	approx. 650 HV
Hardness in micro Vickers after heat treatment	approx. 1050 HV max.
Chemical resistance:	> PH 4.0
Layer thickness	25-50 µm
Temperature resistance	300°C / 572 °F
Adhesion test	> 38 N/mm ²
PH resistance	4 – 14
Resistance to wear (sliding pin test)	excellent (0.49 µ/Km)
Non-stick characteristics	excellent
Corrosion protection	good
Fouling resistance	excellent