

VitroGlide 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