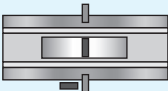




Product Specifications

Laboratory Data:

| Viscosity | | |
|---|----------------|----------------------------|
| Stabinger (ASTM D7042) | Temperature | ν (mm ² /s) |
|  | 0 °C [32 °F] | 1800 |
| | 20 °C [68 °F] | 420 |
| | 40 °C [104 °F] | 140 |
| Viscosity-Index (ISO) | | 130 |
| Viscosity-Temperature-Behaviour | | good |

Color yellow
Permanent Low Temperature -25 °C
 72 hrs fluid [-13 °F]
Application Temperature -20 °C to +80 °C
 [-4 °F to +176 °F]

Density 20 °C [68 °F] (DIN) 0.88 g/cm³
Surface Tension 31 mN/m
Evaporation Rate 0.04 %
 24 hrs/105 °C [221 °F] very low

Drop Stability good
Durability good
Corrosion Resistance brass: very good
 steel: very good

Compatibility with Plastics
compatible ABS, ASA, ABS/PC,
 PA12, PA66, PBT,
 POM
 satisfactory PC, PEBA

Composition partially synthetic oil
 on base of esters and
 hydrocarbons with
 additives

Comments:

Partially synthetic precision oil on base of diverse synthetic esters, natural hydrocarbons and PAOs. A special ageing stabilization guarantees specifications required in the field of horology and fine mechanics.

P351b

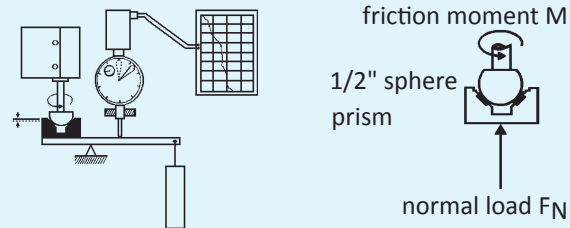
Precision Oil 12764

Article No. TK2720

Precision Oil for Metals and many Plastics

Tribological Data:

Test System: sphere on prism (ISO 7148/2)



Friction Behaviour

dependent on sliding speed

| ν (mm/s) | f | friction coefficient f | | | |
|--------------|------|------------------------|-----|-----|-----|
| | | 0.1 | 0.2 | 0.3 | 0.4 |
| 0 | 0.08 | | | | |
| 20 | 0.06 | | | | |
| 50 | 0.01 | | | | |
| 200 | 0.01 | | | | |

materials: steel/POM, load 3 N, 25 °C [77 °F]
 lubricant: Precision Oil 12764

Wear Behaviour

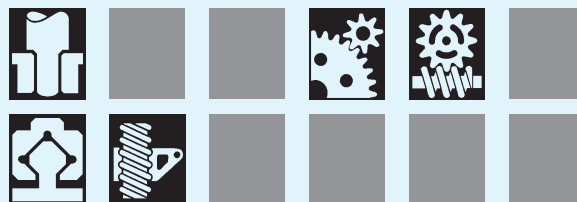
comparison: dry and lubricated with Precision Oil 12764

| materials | wear (in mm) | | | | |
|------------------|--------------|------|-----|-----|-----|
| | 0.01 | 0.03 | 0.1 | 0.3 | 1.0 |
| St/POM: TK2720 | | | | | |
| dry | | | | | |
| St/steel: TK2720 | | | | | |
| dry | | | | | |

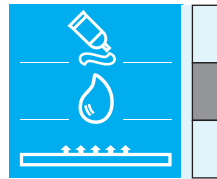
test parameters: load 30 N, distance 10 km,
 25 °C [77 °F], ν =28.1 mm/s

Application:

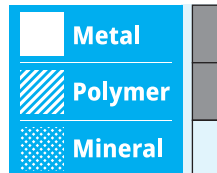
Precision oil for metal sliding pairings and many plastics in precision devices. For radial bearings from 3 to 8 mm diameter in wall clocks, pendulum clocks, timers. For lubrication of gears, worm drives, linear guides, etc.



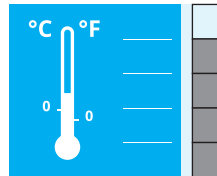
Product



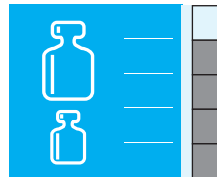
Bearing material



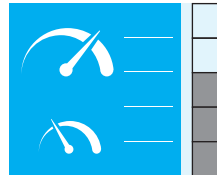
Application temperature



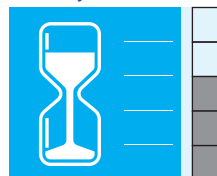
Bearing load



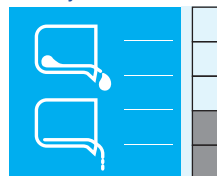
Sliding speed



Durability



Viscosity



Wetting

