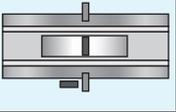


Product Specifications

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

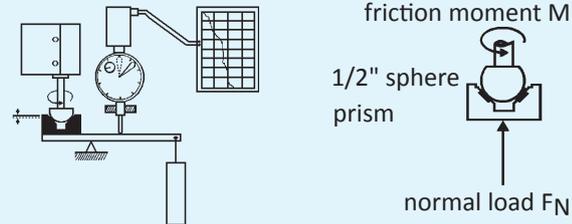
Precision Oil 12764

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	[Bar chart showing high friction]			
20	0.06	[Bar chart showing medium friction]			
50	0.01	[Bar chart showing low friction]			
200	0.01	[Bar chart showing low friction]			

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

Wear Behaviour

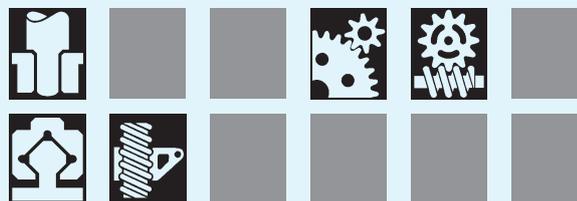
comparison: dry and lubricated with Precision Oil 12764

materials	wear (in mm)				
	0.01	0.03	0.1	0.3	1.0
St/POM: TK2720	[Bar chart showing low wear]				
dry	[Bar chart showing high wear]				
St/steel: TK2720	[Bar chart showing low wear]				
dry	[Bar chart showing high wear]				

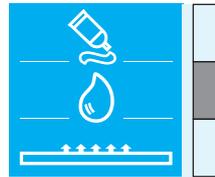
test parameters: load 30 N, distance 10 km, 25 °C [77 °F], $\nu=28.1$ mm/s

Application:

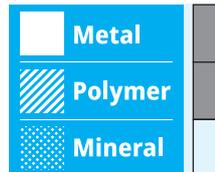
Precision oil for metal sliding pairings and many plastics in precision devices. For radial bearings from 3 to 8 mm diameter in wall clocks, pendulum clocks, timers. For lubrication of gears, worm drives, linear guides, etc.



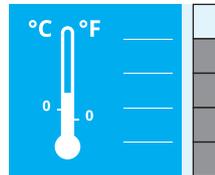
Product



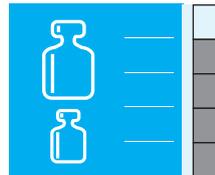
Bearing material



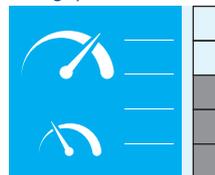
Application temperature



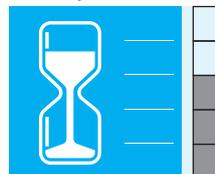
Bearing load



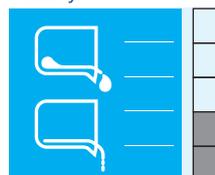
Sliding speed



Durability



Viscosity



Wetting

