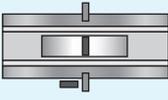


Product Specifications

Laboratory Data:

Viscosity		
Stabinger (ASTM D7042)	Temperature	ν (mm ² /s)
	0 °C [32 °F]	260
	20 °C [68 °F]	70
	40 °C [104 °F]	30
Viscosity-Index (ISO)		130
Viscosity-Temperature-Behaviour		good

Color	colorless
Permanent Low Temperature 72 hrs fluid	-45 °C [-49 °F]
Application Temperature	-40 °C to +250 °C [-40 °F to +482 °F]
Density 20 °C [68 °F] (DIN)	1.9 g/cm ³
Surface Tension	21 mN/m
Evaporation Rate 24 hrs/105 °C [221 °F]	0.5 % low
Wetting	brass: good steel: good
Drop Stability	POM: good
Durability	excellent
Compatibility with Plastics	very good
Composition	perfluorinated polyether

Comments:

Silicone free speciality oil with excellent ageing behaviour. Good compatibility with plastics and elastomers. The oil repels water and is suitable under radiation. It is not flammable and has good di-electric properties.

P170c

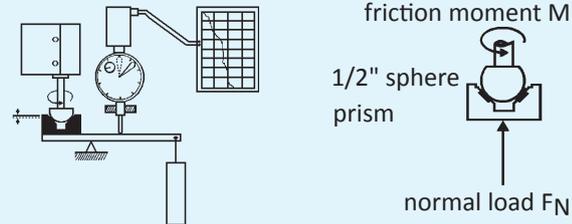
Fluorstatic 70

Article No. TS4500

Fluorinated Fully Synthetic Special Oil

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	0.10	█			
20	0.02	█			
50	0.01	█			
200	0.01	█			

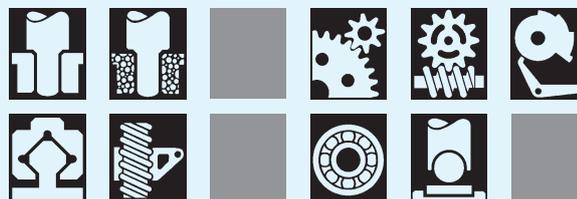
materials: steel/POM, load 3 N, 25 °C [77 °F]
lubricant: Fluorstatic 70

Wear Behaviour					
comparison: dry and lubricated with Fluorstatic 70					
materials	wear (in mm)	friction coefficient f			
		0.1	0.2	0.3	0.4
St/POM: TS4500 dry	█				
St/steel: TS4500 dry	█				

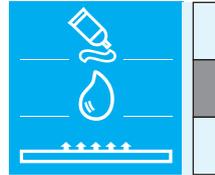
test parameters: load 30 N, distance 10 km, 25 °C [77 °F], $\nu=28.1$ mm/s

Application:

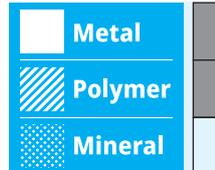
Precision metal and plastic gears, ball bearings, meteorological and optical instruments, aviation instruments, MIL-technic.



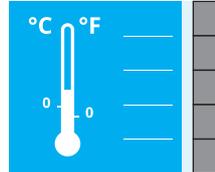
Product



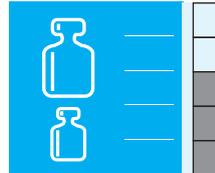
Bearing material



Application temperature



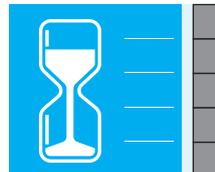
Bearing load



Sliding speed



Durability



Viscosity



Wetting

