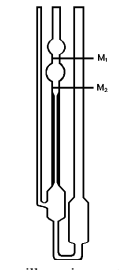


# Product Specifications

## Laboratory Data:

Kinematic Viscosity $\nu$ (DIN)		
	Temperature	$\nu$ (mm <sup>2</sup> /s)
	0°C [32°F]	260
	20°C [68°F]	70
	40°C [104°F]	30
Viscosity Index (ISO)		130
Viscosity-Temperature-Behavior good		

**Permanent Low Temperature** -45°C  
(72 hrs without crystallization) [-49°F]  
**Application Temperature** -40°C to +250°C  
[-40°F to +482°F]

**Density** 20°C [68°F] (DIN) 1.9 g/cm<sup>3</sup>  
**Surface Tension** 21 mN/m  
**Color** colorless  
**Evaporation Rate** -0.5 %  
(24 hrs/105°C [221°F]) very good  
**Wettability** brass: good  
steel: good  
**Drop Stability** POM: good

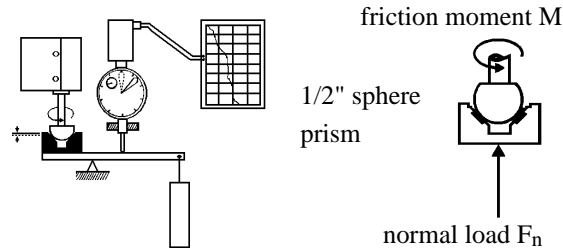
**Durability** excellent  
**Compatibility with Plastics** very good  
**Chemical Name** perfluorinated polyether

## Comments:

Silicon free speciality oil with excellent aging behavior. 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.

## Tribological Data:

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



Friction Behavior					
dependent on sliding speed					
$\nu$ (mm/s)	f	friction coefficient f			
		0.1	0.2	0.3	0.4
0	0.10	[Bar chart showing high friction]			
20	0.02	[Bar chart showing low friction]			
50	0.01	[Bar chart showing very low friction]			
200	0.01	[Bar chart showing very low friction]			

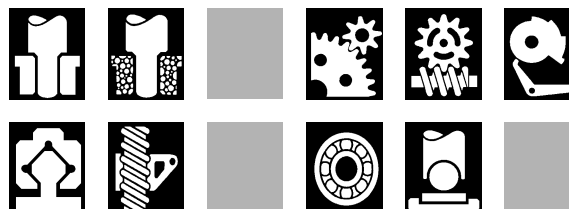
materials: steel/POM, load 3N, 25°C [77°F]  
lubricant: Fluorstatic 70


Wear Behavior					
comparison: dry and lubricated with Fluorstatic 70					
materials	wear (in mm)				
	0.01	0.03	0.1	0.3	1.0
St/POM: Fluor. 70	[Bar chart showing low wear]				
dry	[Bar chart showing high wear]				
St/st: Fluor. 70	[Bar chart showing low wear]				
dry	[Bar chart showing high wear]				


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

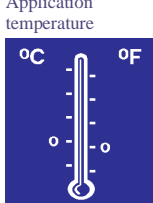
## Application:


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

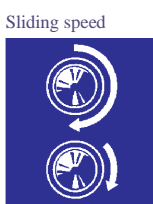



Product 


Bearing material  METALL  
POLYMER  
MINERAL

Application temperature  °C °F

Bearing load 

Sliding speed 

Durability 

Viscosity 

Wetting 