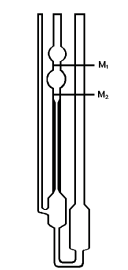


Product Specifications

Laboratory Data:

Kinematic Viscosity (DIN)		
 capillary viscometry	Temperature	ν (mm ² /s)
	0°C [32°F]	340
	20°C [68°F]	95
	40°C [104°F]	40
Viscosity Index (ISO)		140
Viscosity-Temperature-Behavior		good

Permanent Low Temperature -50 °C
(72 hrs without crystallization) [-58°F]

Application Temperature -45°C to +120°C
[-49°F to +248°F]

Density 20°C [68°F] (DIN) 0.98 g/cm³

Surface Tension 28 mN/m

Color yellow, clear

Evaporation Rate -0.1 %
(24 hrs/105°C [221°F]) very low

Drop Stability very good

Durability very good

Corrosion Resistance brass: very good
steel: very good

Compatibility with Plastics on request

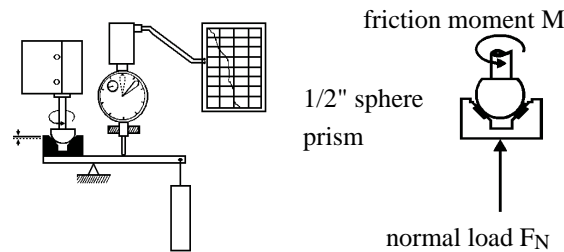
Chemical Name fully synthetic oil
on ester base

Comments:

Very good friction behavior at high loads and high sliding speeds. Excellent wear reducing properties. Due to a special treatment the oil does not spread, point lubrication is possible. Superb stability against aging even in contact with non-ferrous heavy metals. For-life lubrication is possible.

Tribological Data:

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

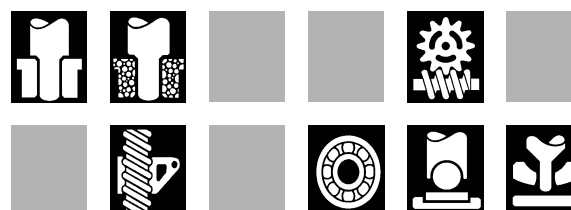



Friction Behavior		
dependent on sliding speed		
ν (mm/s)	f	friction coefficient f
		0.1 0.2 0.3 0.4
0	0.13	
20	0.04	
50	0.01	
200	0.01	
materials: steel/brass, load 3N, 25°C [77°F]		
lubricant: Gyrosynth 992		


Wear Behavior	
comparison: dry and lubricated with Gyrosynth 992	
materials	wear (in mm)
	0.01 0.03 0.1 0.3 1.0
St/bs: lubricated	
dry	
St/st: lubricated	
dry	
test parameters: load 30N, distance 10 km, 25°C [77°F], $\nu = 28.1$ mm/s	

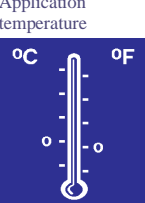
Application:


Precision lubricant for all kind of metal bearings (e. g. brass/steel, steel/steel, aluminum/steel, etc.). For precision ball bearings, miniature precision gears, radial sliding bearings, axial bearings, jewel bearings.





Product 


Bearing material  METALL
POLYMER
MINERAL

Application temperature  °C °F

Bearing load 

Sliding speed 

Durability 

Viscosity 

Wetting 