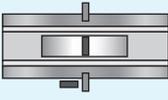


Product Specifications

Laboratory Data:

Viscosity		
Stabinger (ASTM D7042)	Temperature	ν (mm ² /s)
	0 °C [32 °F]	1300
	20 °C [68 °F]	230
	40 °C [104 °F]	65
Viscosity-Index (ISO)		65
Viscosity-Temperature-Behaviour		satisfactory

Color	colorless
Permanent Low Temperature 72 hrs fluid	-15 °C [+5 °F]
Application Temperature	-10 °C to +60 °C [+14 °F to +140 °F]
Density 20 °C [68 °F] (DIN)	0.88 g/cm ³
Surface Tension	31 mN/m
Evaporation Rate 24 hrs/105 °C [221 °F]	0.5 % low
Drop Stability	good
Durability	good
Corrosion Resistance	brass: good steel: good
Composition	mineral oil in DAB quality with additives

Comments:

L 247 stab. is a precision oil for meters and instruments, based on highly refined mineral oils plus stabilizers. All components of Precision Oil L 247 stab. are non-poisonous and admitted from the FDA - Federal Drug Administration - as ingredients in lubricants that may come into contact with food.

The oil may be used to lubricate plastic materials; if applied with critical polymers please test their compatibility or request results.

P306b

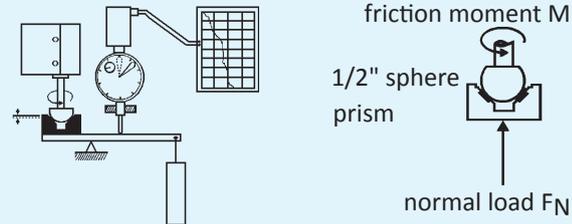
Precision Oil L 247 stab.

Article No. TK1370

Precision Lubricant for Metals and Many Plastics

Tribological Data:

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



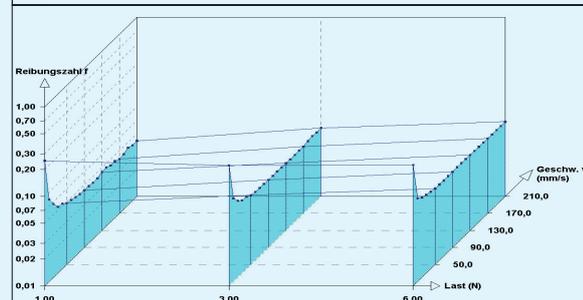
Friction Behaviour
dependent on sliding speed

ν (mm/s)	f	friction coefficient f			
		0.1	0.2	0.3	0.4
0	0.22	[Bar chart showing high friction]			
20	0.07	[Bar chart showing medium friction]			
50	0.06	[Bar chart showing low friction]			
200	0.06	[Bar chart showing low friction]			

materials: steel/brass, load 3 N, 25 °C [77 °F]
lubricant: Precision Oil L 247 stab.

3D Friction Graph

dependent on sliding speed and load

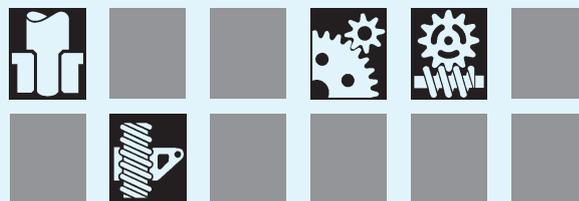


test parameters: steel/brass, load 1, 3 and 6 N
 ν = 0 - 210 mm/s, 25 °C [77 °F]

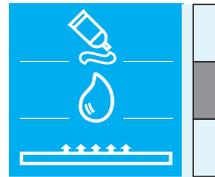
Application:

For lubrication of metal/metal precision bearings (steel, aluminum, non-ferrous heavy metals, etc.), such as sliding and porous bearings or dented wheels in meters, recording devices, synchronous motors and instruments.

For spur gearings, worm drives, linear guides, etc.



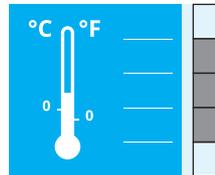
Product



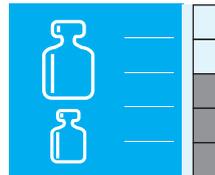
Bearing material



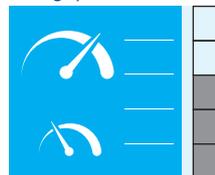
Application temperature



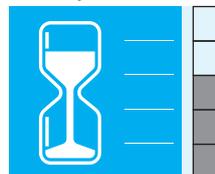
Bearing load



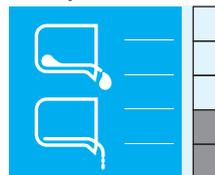
Sliding speed



Durability



Viscosity



Wetting

