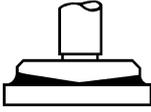


Product Specifications

Laboratory Data:

Dynamic Viscosity (DIN)		
D = 1000/s cone C60 1°	Temperature	η (mPa·s)
	25 °C [77°F]	425 - 575
system cone-on-plate	Viscosity-Index (ISO)	130 (base oil)
Flow Behavior	slightly intrinsically viscous	
Viscosity-Temperature-Behavior	good	

Color yellow, transparent
Dropping Point 170°C [338°F]

Permanent Low Temperature Base Oil (72 hrs fluid) -40°C [-40°F]

Application Temperature -30°C to 90°C [-22°F to 194°F]

Base Oil LGN Watch Oil
Viscosity Base Oil 125 mm²/s
20°C [68°F]

Thickener combination of metal soaps and anorganic gel thickener

Durability very good
Corrosion Resistance brass: very good
steel: very good

Comments:

Metal soap thickened grease based on ester oils with an additional anorganic gel thickener. Its semi-fluid consistency eases application. Because of its excellent lubricating properties it may be used in highly loaded bearings. Very low static friction coefficient. Very good adhesion of the grease on the surface. No separation of the oil. Do not use for lubrication of plastic materials.

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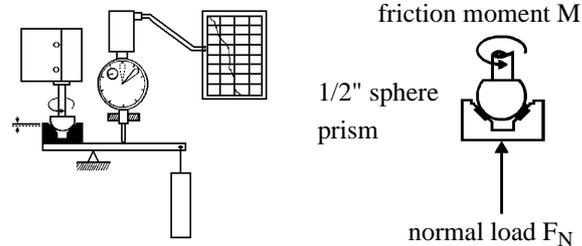
LGN Watch Grease

Article No.: TF1600

Synthetic High Precision Watch and Clock Grease

Tribological Data:

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



Friction Behavior			
dependent on sliding speed			
v (mm/s)	f	friction coefficient f	
		0.1	0.2
0	0.09		
20	0.07		
50	0.04		
200	0.02		

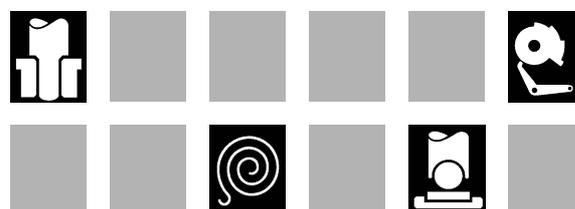
materials: steel/brass, load 3N, 25°C [77°F]
lubricant: LGN Watch Grease

Wear Behavior					
comparison: dry and lubricated with LGN Watch Grease					
materials		wear (in mm)			
		0.01	0.03	0.1	0.3
St/bs:	lubricated				
	dry				
St/st:	lubricated				
	dry				

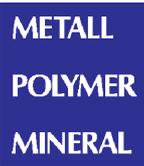
test parameters: load 30N, distance 10 km, 25°C [77°F], v = 28.1 mm/s

Application:

For sliding combinations out of metals (e. g. brass/steel, steel/steel, etc.) in watches, clocks and instruments. For lubrication of pivots, winding-mechanisms, clicks, open slide-ways, mainsprings and pallet pins.



Product 

Bearing material 
METALL
POLYMER
MINERAL

Application temperature 
°C °F

Bearing load 

Sliding speed 

Durability 

Viscosity 

Wetting 