

# **Product Specifications**

## **Laboratory Data:**

Shear Viscosity (DIN 51810-1)					
cone CP25 1° $\dot{\gamma}$ = 1000/s	Temperature	η <b>(mPa·s)</b>			
system cone-on-plate	25 °C [77 °F]	590 - 730			
Viscosity-Index (ISO)		110 (base oil)			

Consistency fluid

Viscosity-Temperature-Behaviour

Color yellow to light brown,

transparent

slightly intrinsically viscous

good

**Dropping Point** 170 °C [338 °F]

Oil Separation (FTMS) 19 %

48 hrs/85 °C [185 °F]

Flow Behaviour

Permanent Low Temperature -15 °C Base Oil 72 hrs fluid [+5 °F]

**Application Temperature** -10 °C to +60°C

[+14 °F to +140 °F]

**Base Oil** mineral oils, stabilized

with friction modifier

**Viscosity Base Oil** 210 mm<sup>2</sup>/s

20 °C [68 °F]

**Thickener** metallic soap + anorganic

Durability good

brass: good **Corrosion Resistance** 

steel: very good

**Compatibility with Plastics** on request

#### **Comments:**

Metallic soap thickened grease based on mineral oils with an additional special anorganic thickener. Its semi-fluid consistency eases application. Because of its lubricating properties it can be used in highly loaded bearings.

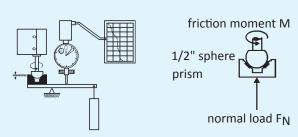
**Application:** 

# **Precision Grease B 52** Article No. TF1410

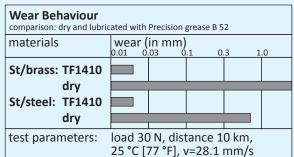
# **Clock and Instrument Grease for Metals**

### **Tribological Data:**

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



Friction Behaviour dependent on sliding speed							
<b>v</b> (mm/s)	f	friction coefficient f					
0	0.09						
20	0.06						
50	0.04						
200	0.08						
materials: steel/brass, load 3 N, 25 °C [77 °F] lubricant: Precision Grease B 52							



For metal/metal precision bearings (steel, non-ferrous

metals, aluminum, etc.); e.g. sliding bearings in

measuring instruments, clock movements, recording

devices, synchronous motors and instruments. For winder mechanisms, connecting pawls, ratchets,

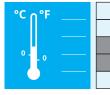
mainsprings and anchor pivots.

# **Product**

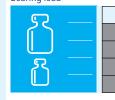
Bearing material



Application temperature



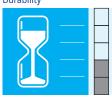
Bearing load



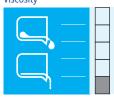
Sliding speed

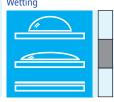


Durability



Viscosity





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