

Product Specifications

Laboratory Data:

Unworked Penetration 250 - 310 mm/10 250 - 310 mm/10 **Worked Penetration**

NLGI Class

Consistency medium soft

Color light brown **Dropping Point** 180°C [356°F]

Oil Separation (FTMS)

48 hrs/85°C [185°F] 4 % **Permanent Low Temperature** -20°C Basic Oil (72 hrs fluid) [-4°F] -10°C to 80°C **Application Temperature**

[14°F to 176°F]

Basic Oil mineral oils, PAOs,

esters, stabilized

Viscosity Basic Oil

Comments:

 $140 \text{ mm}^2/\text{s}$ 20°C [68°F] **Thickener** metallic soap

Durability good

Corrosion Resistance brass: good

Metallic soap thickened grease based on mineral and

ester oils with polyalpha-olefines. An aging

stabilization according to the most modern chemical

procedures guarantees specifications required in the

field of horological and instruments technology.

steel: very good

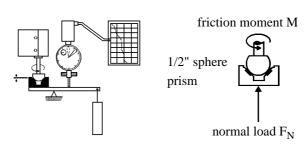
Precision Grease R 27

Article No.: TF1210

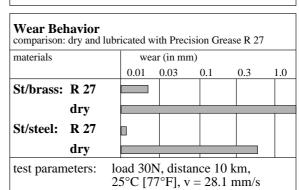
Clock And Instrument Grease

Tribological Data:

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



Friction Behavior dependent on sliding speed						
v (mm/s)	f	friction coeffient f				
			0.1	0.2	0.3	0.4
0	0.07					
20	0.05					
50	0.08					
200	0.11					
materials:	steel/brass, load 3N, 25°C [77°F]					
lubricant:	Precision Grease R 27					



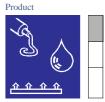
For metal/metal precision bearings (steel, non-ferrous

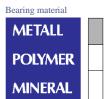
metals, aluminum, etc.); e.g. sliding bearings in

measuring instruments, clock movements, recording

For windings, barrel arbors, anchor pivots, teeth of balance wheels, mainsprings and rotor bearings.

devices, synchronous motors and instruments.





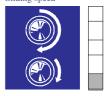
Application



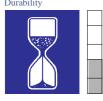




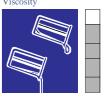
Sliding speed



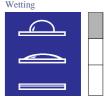
















Application:













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