

Product Specifications

Laboratory Data:

Unworked Penetration 300 - 360 mm/10 315 - 385 mm/10 **Worked Penetration**

NLGI Class 0 - 1Consistency soft

Color white

Dropping Point 180°C [356°F]

Oil Separation (FTMS) -14 %

48 hrs/85°C [185°F]

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

Application Temperature -30°C to +150°C [-22°F to 302°F]

Base Oil polyalphaolefines with

additives

(contains no silicons)

Viscosity Base Oil

 $300 \text{ mm}^2/\text{s}$ 20°C [68°F]

metallic soaps and **Thickener**

PTFE Spacer PMF

Drop Stability good **Durability** good

Corrosion Resistance brass: very good steel: very good

Compatibility with Plastics

Comments:

sliding speeds.

Contains no silicones!

compatible ASA, PA66, PBT, PC,

Bearing Grease 117643 Spacer PMF is based on

different polyalphaolefines, which are adjusted with a

special metal soap thickener to a soft consistency

with a defined yield point, which reduces effects of

creeping lubricants out of the bearings. Additional PTFE Spacer particles that are coated with PMF (polymeric friction modifier) ensure a smooth sliding with no stick-slip effects even at high loads and low

POM, POM (CL), PPO, ABS

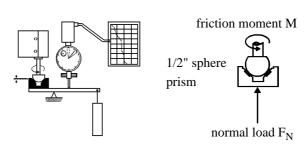
Bearing Grease 117643 Spacer PMF

Article No.: TF1901

Soft Precision Grease with Optimized Stick-Slip Behaviour for Metals and Plastics

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	0.02									
20	0.03									
50	0.02									
200	0.03									
materials: lubricant:		steel/POM, load 3N, 25°C [77°F] Bearing Grease 117643 Spacer PMF								

Wear Behavior comparison: dry and lubricated with Grease 117643 Spacer PMF										
materials		wear (in mm)								
		0.01	0.03	0.1	0.3	1.0				
St/PC:	117643									
(dry									
St/POM:	117643									
(dry									
test parameters: load 30N, distance 10 km, 25°C [77°F], v = 28.1 mm/s										

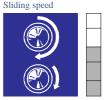




Application

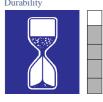




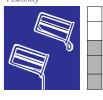




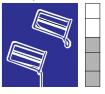
Durability



Viscosity









Application:

For plastic/plastic and plastic/metal precision bearings in measing devices and instruments. For the lubrication of radial bearings, helical gear trains, precision gears, linear guides, etc.

















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