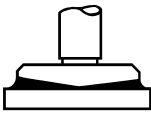


Product Specifications

Laboratory Data:

Dynamic Viscosity (DIN)		
Cone C60 1° D = 1000/s	Temperature	η (mPa·s)
	25 °C [68°F]	320 - 430
Cone-plate-principle	Viscosity-Index (ISO)	430 (base oil)
Flow Behavior	intrinsically viscous	
Viscosity-Temperature-Behavior	very good	

Color	white
Base Oil	polysiloxane alcohol
Viscosity Base Oil 20°C [68°F]	250 mm ² /s
Thickener	micro Teflon powder, no metallic soaps
Permanent Low Temperature Base Oil (72 hrs. fluid)	-35°C [-31°F]
Application Temperature	-30°C to +120°C [-22°F to 248°F]
Wetting	very good
Durability	very good
Compatibility with Plastics compatible	PTFE-Composites, DU bearings, PA11, PA66, PBTP, PC POM, PPO, SB, TPU
satisfactory	ABS, PA12, PA6-3T
incompatible	ASA, POM (CL)

Comments:

Very soft precision grease containing micro PTFE particles. High durability due to a fully synthetic base oil combined with a thickener free of metallic soaps. Excellent viscosity-temperature-behavior. Very low static friction. Excellent wear reduction. Epilamination is necessary, if applying large quantities of lubricant. Contains silicon, therefore please do not use with electric contacts!

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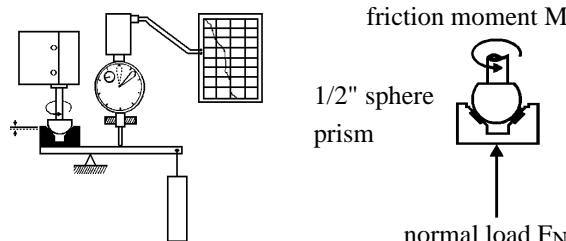
Lined Linear Bearing Grease

Article No.: TF2861

Precision Grease with Teflon

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	0.3	0.4
0	0.04				
20	0.03				
50	0.03				
200	0.04				

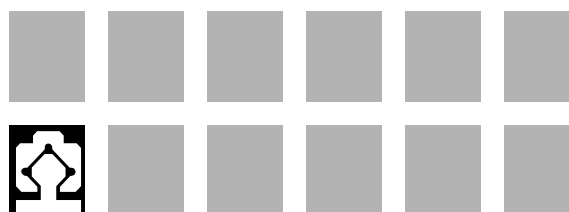
materials: steel/Frelon, load 3N, 25°C [77°F]
lubricant: Lined Linear Bearing Grease

Wear Behavior					
comparison: dry and lubricated with Lined Linear Bearing Grease					
materials	wear (in mm)				
	0.01	0.03	0.1	0.3	1.0
St/Frelon: grease					
dry					
St/Br-comp: grease					
dry					

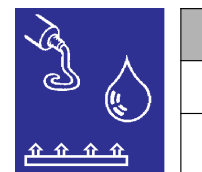
test parameters: load 30N, distance ~10 km,
25°C [77°F], v = 28.1 mm/s

Application:

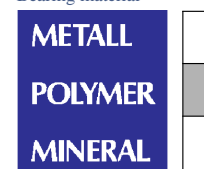
Special lubricant for highly loaded lined linear bearings out of Composite Materials, i.e. Frelon, PTFE-Composites, DU bearings, etc.



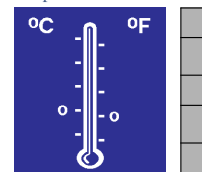
Product



Bearing material



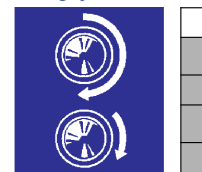
Application temperature



Bearing load



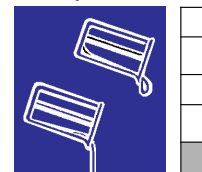
Sliding speed



Durability



Viscosity



Wetting

