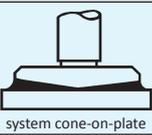


Product Specifications

Laboratory Data:

Shear Viscosity (DIN 51810-1)		
cone CP25 1° $\dot{\gamma} = 1000/s$	Temperature	η (mPa·s)
 system cone-on-plate	25 °C [77 °F]	320 - 440
Viscosity-Index (ISO)		430 (base oil)
Flow Behaviour		intrinsically viscous
Viscosity-Temperature-Behaviour		excellent

Color	white
Permanent Low Temperature	-35 °C
Base Oil 72 hrs fluid	[-31 °F]
Application Temperature	-30 °C to +120 °C [-22 °F to +248 °F]
Base Oil	polysiloxane alcohol
Viscosity Base Oil 20 °C [68 °F]	250 mm ² /s
Thickener	micro PTFE powder, no metallic soaps
Wetting	very good
Durability	very good
Compatibility with Plastics compatible	PTFE Composites, DU bearings, PA11, PA66, PBT, 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-behaviour. Very low static friction. Excellent wear reduction. Epilamination is necessary, if applying large quantities of lubricant. Contains silicone, therefore please do not use with electric contacts!

P210d

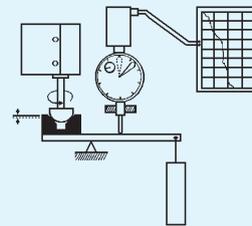
Linear Bearing Grease

Article No. TF2861

Precision Grease with PTFE

Tribological Data:

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



friction moment M
1/2" sphere
prism
normal load F_N

Friction Behaviour

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/PTFE Comp., load 3 N, 25 °C [77 °F]
lubricant: Lined Linear Bearing Grease

Wear Behaviour

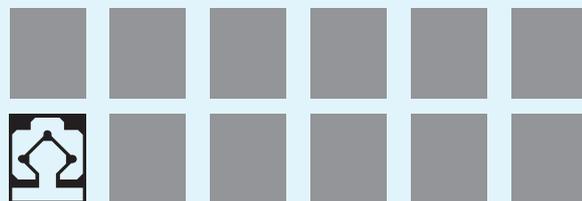
comparison: dry and lubricated with Lined Linear Bearing Grease

materials	wear (in mm)				
	0.01	0.03	0.1	0.3	1.0
St/PTFE Comp.: TF2861					
dry					
St/bronze/PTFE: TF2861					
dry					

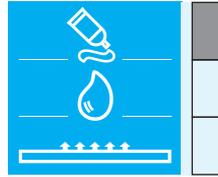
test parameters: load 30 N, distance 10 km,
25 °C [77 °F], v=28.1 mm/s

Application:

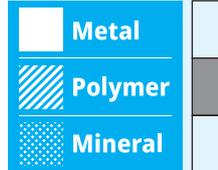
Special lubricant for highly loaded lined linear bearings out of Composite Materials, i.e. Frelon, PTFE Composites, DU bearings, etc.



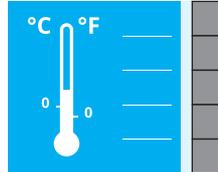
Product



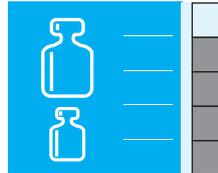
Bearing material



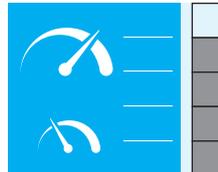
Application temperature



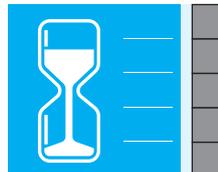
Bearing load



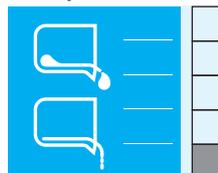
Sliding speed



Durability



Viscosity



Wetting

