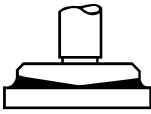


Product Specifications

Laboratory Data:

Dynamic Viscosity (DIN)		
Shear rate D = 1000/s	Temperature	η (mPa·s)
	25°C [77°F]	130 - 190
system: cone-on-plate	Viscosity-Index (ISO)	420 (base oil)
Flow Behavior	intrinsically viscous	
Viscosity-Temperature-Behavior	very good	

Consistency	fluid
Color	white
Oil Separation FTMS (48 hours/85°C)	not applicable
Permanent Low Temperature Base Oil (72 hrs. fluid)	-45°C [-49°F]
Application Temperature	-40°C to +120°C [-40°F to 248°F]
Base Oil	polysiloxane alcohol
Viscosity Base Oil 20°C [68°F]	100 mm ² /s
Thickener	micro Teflon powder, no metallic soaps
Durability	very good
Compatibility with Plastics compatible	LCP, PA66, PBTP, PC, POM, PPO, SB
satisfactory	ABS
incompatible	ASA, POM (CL)

Comments:

Very soft precision grease for plastic/plastic and plastic/metal bearings. Very good friction and wear reduction properties. High durability due to a thickener free of metallic soaps. Excellent viscosity-temperature-behavior. Very low static friction. Epilamination is necessary, if applying large quantities of lubricant.

Contains silicon, therefore please do not use for electric contacts!

P115a

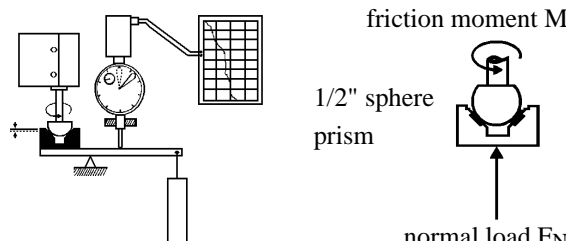
Fluid Grease K2363/100 PTFE

Art. No. TF2820

Fluid Precision Grease for Plastic Bearings

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	0.06	█			
20	0.03	█			
50	0.02	█			
200	0.01	█			

materials: steel/polyacetale, load 3N, 25°C [77°F]
lubricant: Fluid Grease K2363/100 PTFE

Wear Behavior

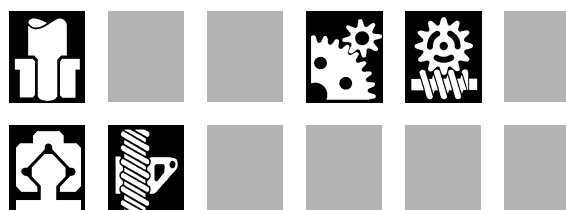
comparison: dry and lubricated with Fluid Gr. K2363/100 PTFE

materials		wear (in mm)				
		0.01	0.03	0.1	0.3	1.0
St/POM:	lubric.	█				
	dry	█	█			
POM/PBT:	lubric.	█				
	dry	█	█			

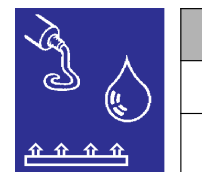
test parameters: load 30N, distance ~10 km,
25°C [77°F], v = 28.1 mm/s

Application:

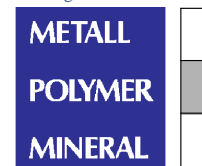
Plastic bearings in precision machinery. Precision gears and sliding bearings out of plastic materials, step motors, spindles, drives, etc.



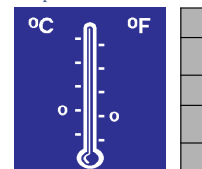
Product



Bearing material



Application temperature



Bearing load



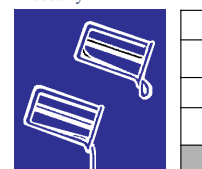
Sliding speed



Durability



Viscosity



Wetting

