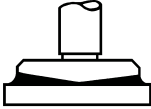


Product Specifications

Laboratory Data:

Dynamic Viscosity (DIN)		
Cone C60 1° D = 1000/s	Temperature	η (mPa·s)
	25 °C [77°F]	365 - 495
system cone-on-plate	Viscosity-Index (ISO)	140 (base oil)
Flow Behavior		intrinsically viscous
Viscosity-Temperature-Behavior		good

Color white
Oil Separation (FTMS) -18 %
 48 hrs/85°C [185°F]
Permanent Low Temperature Base Oil (72 hrs fluid) -45°C [-49°F]
Application Temperature -40°C to 200°C [-40°F to 292°F]

Base Oil perfluorinated polyether
Viscosity Base Oil 70 mm²/s
 20°C [68°F]
Thickener micro PTFE powder, no metallic soaps
Durability excellent
Drop Stability good
Compatibility with Plastics very good

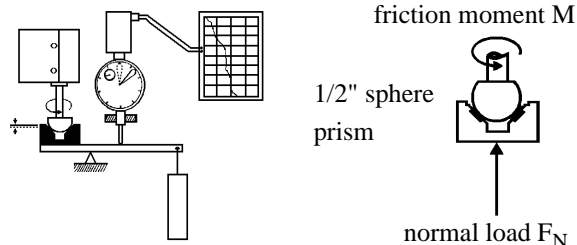
Comments:

Problem solver for difficult sliding processes even under extreme environmental conditions. High resistance against aging and oxidation reactions. Incorporated micro PTFE powder guarantees emergency running properties. Very good stick slip damping. No diffusion of thickener into plastic materials.

P150

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	0.07				
20	0.03				
50	0.03				
200	0.03				

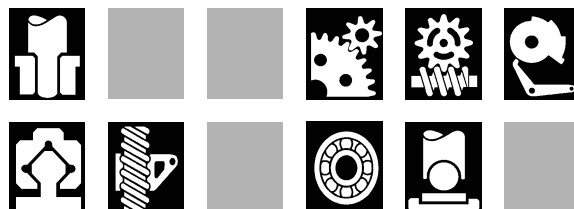
materials: steel/POM, load 3N, 25°C [77°F]
 lubricant: Fluorstatic 70 PTFE

Wear Behavior					
comparison: dry and lubricated with Fluorstatic 70 PTFE					
materials	wear (in mm)				
	0.01	0.03	0.1	0.3	1.0
St/brass: TF2450 dry					
St/POM: TF2450 dry					

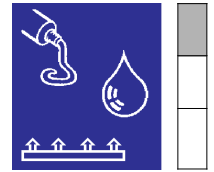
test parameters: load 30N, distance 10 km, 25°C [77°F], v = 28.1 mm/s

Application:

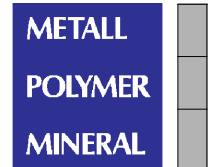
For metal/metal, metal/jewel, metal/plastic, and plastic/plastic bearings. For miniature bearings, precision gears, instruments, plotters, printers, clock movements, linear guiding systems, connecting links, ball bearings, controls, automotive, aviation and nautical instruments, offshore instruments.



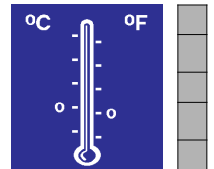
Product



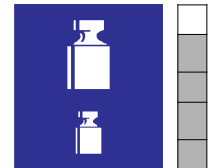
Bearing material



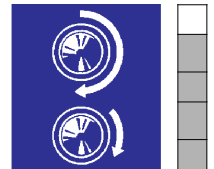
Application temperature



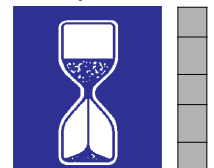
Bearing load



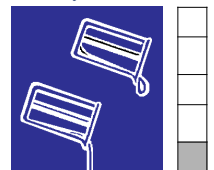
Sliding speed



Durability



Viscosity



Wetting

