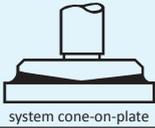


## Product Specifications

### Laboratory Data:

Shear Viscosity (DIN 51810-1)		
cone CP25 1° $\dot{\gamma} = 1000/s$	Temperature	$\eta$ (mPa·s)
 system cone-on-plate	25 °C [77 °F]	365 - 495
Viscosity-Index (ISO)		140 (base oil)
Flow Behaviour	intrinsically viscous	
Viscosity-Temperature-Behaviour	good	

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

<b>Base Oil</b>	perfluorinated polyether
<b>Viscosity Base Oil</b> 20 °C [68 °F]	70 mm <sup>2</sup> /s
<b>Thickener</b>	micro PTFE powder no metallic soaps
<b>Durability</b>	excellent
<b>Drop Stability</b>	good
<b>Compatibility with Plastics</b>	very good

### Comments:

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

If application is intended on steel at high humidities and higher temperatures at the same time, component tests are recommended before use.

P150c

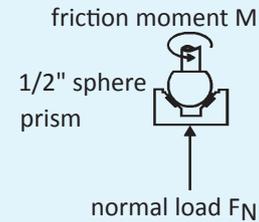
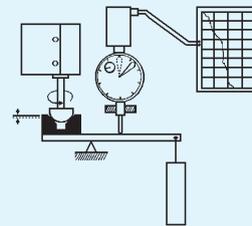
# Fluorstatic 70 PTFE

Article No. TF2450

## Precision Grease for Metals and Plastics

### Tribological Data:

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

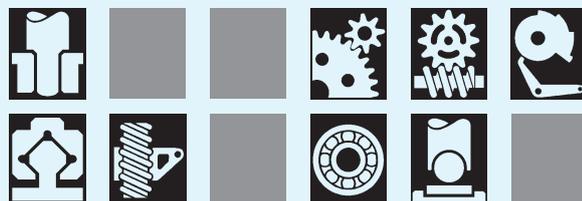


Friction Behaviour				
dependent on sliding speed				
v (mm/s)	f	friction coefficient f		
		0.1	0.2	0.3
0	0.07	[Bar chart showing friction coefficient values]		
20	0.03	[Bar chart showing friction coefficient values]		
50	0.03	[Bar chart showing friction coefficient values]		
200	0.03	[Bar chart showing friction coefficient values]		
materials:		steel/POM, load 3 N, 25 °C [77 °F]		
lubricant:		Fluorstatic 70 PTFE		

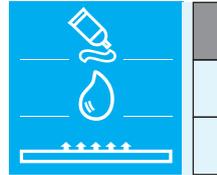
Wear Behaviour					
comparison: dry and lubricated with Fluorstatic 70 PTFE					
materials	wear (in mm)				
	0.01	0.03	0.1	0.3	1.0
St/brass: TF2450 dry	[Bar chart showing wear values]				
St/POM: TF2450 dry	[Bar chart showing wear values]				
test parameters:		load 30 N, distance 10 km, 25 °C [77 °F], v=28.1 mm/s			

### Application:

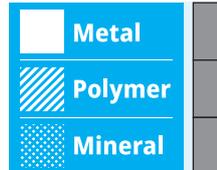
For metal/metal, metal/jewel, metal/plastic and plastic/plastic bearings. For miniature bearings, precision gears, instruments, plotters, printers, clock movements, linear guiding systems, connecting links, ball bearings, controls, automotive, aviation and nautical instruments, offshore instruments.



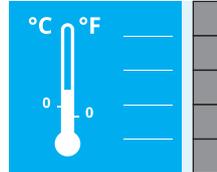
Product



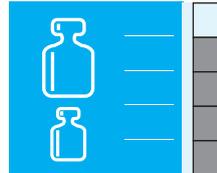
Bearing material



Application temperature



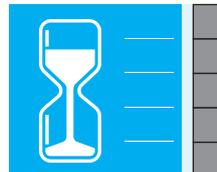
Bearing load



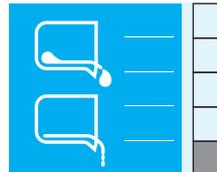
Sliding speed



Durability



Viscosity



Wetting

