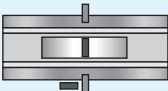


## Product Specifications

### Laboratory Data:

Viscosity		
Stabinger (ASTM D7042)	Temperature	$\nu$ (mm <sup>2</sup> /s)
	0 °C [32 °F]	300
	20 °C [68 °F]	90
	40 °C [104 °F]	40
Viscosity-Index (ISO)		150
Viscosity-Temperature-Behaviour		good

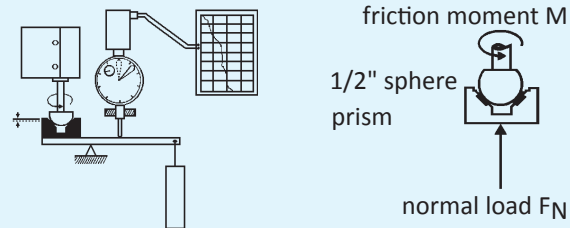
<b>Color (ASTM)</b>	yellow, clear
<b>Permanent Low Temperature</b> 72 hrs fluid	-15 °C [+5 °F]
<b>Application Temperature</b>	-10 °C to +120 °C [+14 °F to +248 °F]
<b>Density</b> 20 °C [68 °F] (DIN)	1.0 g/cm <sup>3</sup>
<b>Surface Tension</b>	26 mN/m
<b>Evaporation Rate</b> 24 hrs/105 °C [221 °F]	0.1 % very low
<b>Drop Stability</b>	very good
<b>Durability</b>	very good
<b>Corrosion Resistance</b>	brass: good steel: very good
<b>Compatibility with Plastics</b>	on request
<b>Composition</b>	arylpolyalcanoate

### Comments:

Outstandingly low friction values even at high loads and high sliding speeds. Excellent wear reducing properties. Due to a special treatment the oil does not spread, point lubrication is possible. Superb stability against ageing even in contact with non-ferrous metals, lifetime lubrication is possible.

### Tribological Data:

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

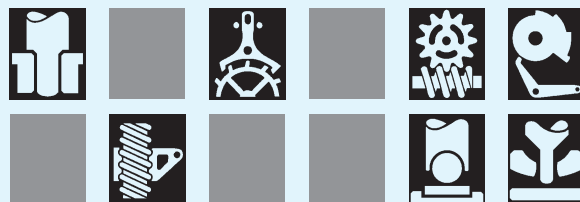


Friction Behaviour					
dependent on sliding speed					
$\nu$ (mm/s)	f	friction coefficient f			
		0.1	0.2	0.3	0.4
0	0.08	[Bar chart]			
20	0.05	[Bar chart]			
50	0.02	[Bar chart]			
200	0.01	[Bar chart]			
materials:		steel/brass, load 3 N, 25 °C [77 °F]			
lubricant:		Clock 992			

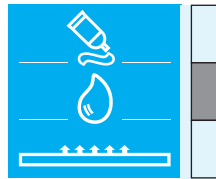
Wear Behaviour					
comparison: dry and lubricated with Clock 992					
materials	wear (in mm)				
		0.01	0.03	0.1	0.3
St/brass: TS5200	[Bar chart]				
dry	[Bar chart]				
St/steel: TS5200	[Bar chart]				
dry	[Bar chart]				
test parameters:		load 30 N, distance 10 km, 25 °C [77 °F], $\nu=28.1$ mm/s			

### Application:

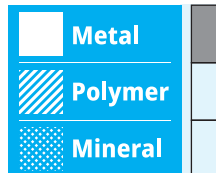
Clock 992 is a synthetic precision lubricant for metal bearings (e.g. brass/steel, steel/steel, aluminum/steel) in clock movements, alarm clocks and watches, precision gears, linear guides, connecting links, helical gear trains and worm gears.



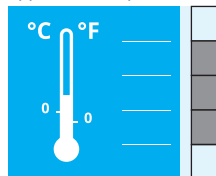
### Product



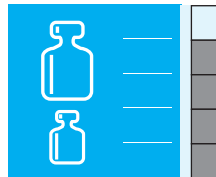
### Bearing material



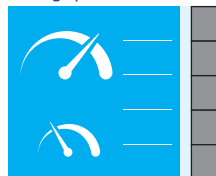
### Application temperature



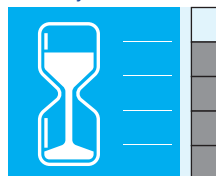
### Bearing load



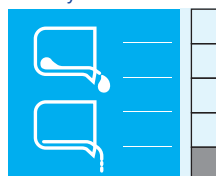
### Sliding speed



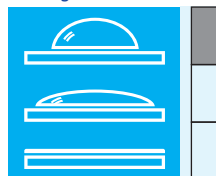
### Durability



### Viscosity



### Wetting



P009c