



TURMOTEMPOIL VAC 46



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TURMOTEMPOIL VAC 46 is a special oil based on perfluorinated polyether.

Therefore **TURMOTEMPOIL VAC 46** belongs to the thermically and chemically most stable lubricants. It is used successfully, if operating temperatures and chemical influences exclude the use of conventional lubricants.

Special properties

- High resistance towards oxidation and high temperatures
- High pressure resistance
- High chemical resistance
- No swelling of plastomers and elastomers
- Non-combustible
- Low evaporation losses
- Low pour point

Product Characteristics	Value	Dimension	Norm / Standard
Colour	clear, transparent		
Density at 20°C	1,9	g/cm ³	DIN 51757
Operating temperature range	to 160	°C	
Oil type	PFPE		
Kinematic viscosity at 40°C	50	mm ² /s	DIN EN ISO 3104
Kinematic viscosity at 100°C	7,5	mm ² /s	DIN EN ISO 3104
Viscosity index (VI)	97		DIN ISO 2909
Pour point	-43	°C	DIN ISO 3016
Evaporation loss (22 h/150°C)	< 2,7	%	DIN 51581

Application

TURMOTEMPOIL VAC 46 is suitable as lubricant, diffusion pump oil and as a dielectric hydraulic fluid. This product is applied in the fine mechanics and optic industries, as well as in the vacuum area.

Prior to the initial application it is mandatory to clean surfaces thoroughly. Optimum lubricating properties can only be fully achieved on clean, greaseless and dry material surfaces.

At operating temperatures above 260°C, aggressive decomposition products (e.g. hydrofluoric acid) can form.

Packaging units

500 ml bottles, 1000 ml bottles, 5 l canister, 10 l canister



The products are subject to continuous strict production controls and comply with our own factory specifications. A warranty for each case cannot be given, due to the variety of relevant factors. Therefore, we recommend the implementation of field tests. Herewith, any liability is expressly excluded.

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