



# ULTRATHERMOIL VG 320



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**ULTRATHERMOIL VG 320** is a special oil based on perfluorinated polyether with for extreme requirements.

Therefore **ULTRATHERMOIL VG 320** belongs to the thermally 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
- High radiation resistance
- Low pour point
- Low volatility

Product Characteristics	Value	Dimension	Norm / Standard
Colour	clear, transparent		
Density at 20°C	1,87	g/cm <sup>3</sup>	DIN 51757
Operating temperature range	-50 to 260	°C	
Oil type	PFPE		
Kinematic viscosity at 40°C	353	mm <sup>2</sup> /s	DIN EN ISO 3104
Kinematic viscosity at 100°C	100	mm <sup>2</sup> /s	DIN EN ISO 3104
Viscosity index (VI)	354		DIN ISO 2909
Pour point	-60	°C	DIN ISO 3016
Flash point	not inflammable	°C	DIN EN ISO 2592
Evaporation loss (22 h / 200°C)	< 0,3	%	
Resistance to radioactive radiation	4 x 10 <sup>4</sup>	Gy (=10 <sup>2</sup> rd)	

### Application

**ULTRATHERMOIL VG 320** will be applied in the precise mechanic industry, optical industry, electronic industry and machine building industry.

**ULTRATHERMOIL VG 320** is used as lubricating and sealing agent, as hydraulic and gear oil as well as heat transferring liquid.

Before applying **ULTRATHERMOIL VG 320**, all lubricating points should be cleaned carefully. Optimum lubricating properties can only be fully achieved on clean and dry material surfaces.

Application-specific operating temperatures of up to 280°C are possible. At operating temperatures above 260°C, aggressive decomposition products (e.g. hydrofluoric acid) can form.

### Packaging units

19 g bottle, 95 g bottle, 190 g bottle, 500 g bottle, 950 g Flasche, 1900 g bottle



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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