



PRODUCT DESCRIPTION

LENOL Syn E 100 is an ISO VG 100 diester-based synthetic compressor lubricant specifically designed for long-term lubrication of air and process gas compressors.

APPLICATIONS

LENOL Syn E 100 is suitable for the lubrication of reciprocating compressors and vacuum pumps covering a wide temperature range from -15°C up to 230°C and for all sorts of gases, such as air, carbon dioxide (dry), natural gas, synthesis gas and others. The product can only be used in compressors for breathing air, if air filters are fitted that are capable to maintain the required mist levels below the exposure limits.

ADVANTAGES

- Fully synthetic lubricant superior to mineral based oils as it forms less deposits on valve plates and coolers
- Excellent oxidative and thermal stability, hence fewer oil changes and lower oil consumption
- Reduces compressor maintenance
- Separates water condensate rapidly
- Exceeds the requirements according to DIN 51506 – VDL 100

TECHNICAL DATA

Properties	Test Method	LENOL Syn E 100	Unit
Viscosity @ 40°C	ASTM D445	97	cSt
Viscosity @ 100°C	ASTM D445	9.3	cSt
Pour point	ASTM D97	-34	°C
Flash point (PMC)	ASTM D93	234	°C
Density @ 15°C	ASTM D1298	950	kg/m ³
Evaporation, 22 @ 99°C	ASTM D972	<1	%

HANDLING AND PACKAGING

Compatibility and miscibility with comparable products from other suppliers have been successfully tested by an independent institute, but to benefit from full product performance, the mixing of lubricants should be avoided.

Diester-based synthetic compressor oils are recommended for the following seals, paints and plastics: Viton, High Nitrile Buna N, Teflon, Epoxy Paint, Oil Resistant Alkyd, Nylon, Delrin, Celcon, PBT. They are not ideal in contact with Neoprene, SBR Rubber, Low Nitrile Buna N, Acrylic Paint, Lacquer, Polystyrene, PVC or ABS.

HEALTH AND SAFETY

The information on this product is available in the Material Safety Data Sheet (MSDS) as a guide to the precautions and safe handling of this product and its disposal. The product is not classified as dangerous according to the Regulation 1272/2008 or the Directives D67/548/EEC and 1999/45/EC. When used as intended, this product does not pose significant health risks.

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This data sheet and the information given are considered to be accurate to the best of our knowledge. The physical and chemical characteristics are typical values and compliant to specification. Variations in these characteristics may occur. No warranty expressed or implied, is given as to the accuracy or completeness of the information or suitability of the products. LENOL shall not be responsible for any damage or injury resulting from abnormal use of the product. The user will be always responsible to evaluate and use products safely and to comply with all applicable laws and regulations.