

Products

LEYBONOL Mineral Oils

Application Data

LVO 100

LVO 120

LVO 130

Type of oil	Mineral oil, free of additives	Mineral oil with additives	Mineral oil with additives
Properties	Low vapor pressure,, low inclination to foaming, very good water separation	Extended oil change intervals, low inclination to foaming, very good water separation	Extended oil change intervals, low inclination to foaming, very good water separation
Application examples	Standard oil for low ultimate pressures. Pumping of air, chemically inert gases and water vapor	Standard oil for small SOGEVAC pumps ²⁾ Pumping of air, chemically inert gases and water vapor	Standard oil for large SOGEVAC pumps ²⁾ Pumping of air, chemically inert gases and water vapor
Elastomer compatibility FKM (FPM, Viton) NBR (Perbunan) ¹⁾ EPDM	Suited Conditionally suited Unsuitable	Suited Conditionally suited Unsuitable	Suited Conditionally suited Unsuitable
Used in the pumps of series	TRIVAC, E + DK, RUVAC	SOGEVAC A-series (≤ SV 65) and B-series (≤ SV 25, ≤ SV 120 BI (FC))	SOGEVAC A-series (≥ SV 100) and B-series (≥ SV 40 B)

Technical Data

LVO 100

LVO 120

LVO 130

ISO viscosity grade		ISO VG 100	ISO VG 32	ISO VG 68
Viscosity at 40 °C (104 °F)	mm ² /s	95	32	68
Flash point	°C (°F)	> 255 (> 491)	244 (471)	248 (478)
Density at 15 °C (59 °F)	kg/m ³	880	875	885
Pour point	°C (°F)	< -9 (< +16)	-27 (-17)	-21 (-6)

Ordering Information

LVO 100

LVO 120

LVO 130

	Part No.	Part No.	Part No.
1 liter	L 100 01	L 120 01	L 130 01
5 liters	L 100 05	L 120 05	L 130 05
20 liters	L 100 20	L 120 20	L 130 20
208 liters	L 100 99	-	L 130 99

Please note that the technical data stated are typical characteristics only. Slight variations from batch to batch must be expected. The technical data stated here do not entail any warranted characteristics

¹⁾ Resistance is dependent on the level of the acrylonitrile content in the NBR

²⁾ LVO 120 is suited for the SOGEVAC SV 25 B and smaller pumps where the lower viscosity assists the starting process. LVO 130 is suited for the SOGEVAC SV 40 B and larger pumps where the higher viscosity assists attaining of lower pressures. However, all SOGEVAC pumps can be operated with both types of oil and moreover, LVO 120 and LVO 130 can be mixed with each other.

Application Data**LVO 140****LVO 150****LVO 170**

Type of oil	Mineral oil with additives	Mineral oil with additives	Mineral oil with detergent additives
Properties	Suitable for use in the food & packaging industry	Suitable for use in the food & packaging industry	High detergency, high thermal stability, low inclination of foaming
Application examples	Recommended for applications in the food industry	Recommended for applications in the food industry	Heat treatment, low pressure carburizing process and other processes creating tar or soot
Elastomer compatibility FKM (FPM, Viton) NBR (Perbunan) ¹⁾ EPDM	Suited Conditionally suited Unsuitable	Suited Conditionally suited Unsuitable	Suited Conditionally suited Unsuitable
Used in the pumps of series	SOGEVAC A-series (≤ SV 65) and B-series (≤ SV 25 B)	SOGEVAC A-series (≥ SV 100) and B-series (≥ SV 40 B)	SOGEVAC A-series (≥ SV 100) and B-series (≥ SV 40 B)

Technical Data**LVO 140****LVO 150****LVO 170**

ISO viscosity grade	ISO VG 32	ISO VG 68	ISO VG 100	
Viscosity at 40 °C (104 °F)	mm ² /s	30	63	95.6
Flash point	°C (°F)	225 (437)	253 (487)	> 110 (230)
Density at 15 °C (59 °F)	kg/m ³	860	870	0.889
Pour point	°C (°F)	-18 (-0.4)	-18 (-0.4)	-24 (-11.2)

Ordering Information**LVO 140****LVO 150****LVO 170**

	Part No.	Part No.	Part No.
1 liter	L 140 01	L 150 01	-
20 liters	-	L 150 20	L 170 20

Please note that the technical data stated are typical characteristics only. Slight variations from batch to batch must be expected. The technical data stated here do not entail any warranted characteristics

¹⁾ Resistance is dependent on the level of the acrylonitrile content in the NBR