



LVO 521

High purity for best performance



Specially Designed Oil For Diffusion Pumps

LEYBONOL LVO 521 is our new high-purity, high-quality silicone solution, and is the perfect replacement for the discontinued but widely-used Dow Corning (DC-704 and 705) oils. Our premium oil ensures the best performance for diffusion pumps in high and ultra-high vacuum applications.

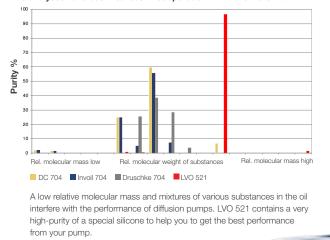
Technical Specifications:

	LEYBONOL LVO 521	Dow Corning DC 704/705 (discontinued)
Vapor Pressure at 20°C [mbar]	< 3 x 10 ⁻¹⁰	2 x 10 ⁻⁸ to 2 x 10 ⁻¹⁰
Extrapolated Vapor Pressure at 260°C [mbar]	2.04	1.83
Viscosity at 25°C [mm²/s]	180	39 to 175
Flash point [°C]	> 240	221 to 243
Pour point [°C]	245	

^{*}The oil is mixable with the old LVO 520 and LVO 530 formulas. Mixing the oil could influence the performance of our new premium oil. When replacing LVO 510, the pump needs to be flushed.

GCMS Spectrum

The analyses have been realised in cooperation with Eurofins GmbH.



hazardous ingredients (see diagram > GCMS Spectrum)

Very low backstreaming due to its high viscosity.

■ Premium oil quality with a high level of purity and no

 Very low backstreaming due to its high viscosity and low vapor pressure

- Highly-resistant against oxidation, radiation and decomposition
- Very high temperature stability

Benefits

- Extended oil life, reduced energy & service costs
- Up to 30% higher performance compared to mineral oil
- No silicone crystallization (see picture below, typical crystallization problem in the field)









