

VACUUM-PLUS FLU 46

VACUUM PUMP OILS

321702801

DYADE
LUBRICANTS



FLUORINATED VACUUM PUMP FLUIDS

These products are a series of perfluoralkyl-polyether oils that are non-flammable, colourless, and odourless. They are entirely inert both physically and chemically, even when exposed to aggressive liquids, gaseous products (except fluorinated solvents), and thermal or ionising radiation. These oils are highly inert and non-toxic, and can be safely used with all metals, plastics, leather, elastomers, and seal materials. This product is specifically designed to lubricate bearings, chains, and joints across a wide temperature range, and is suitable for use in mechanisms subjected to aggressive or corrosive conditions. It is particularly suited for the lubrication of plastic and rubber components due to its exceptional compatibility with these materials. It is also an excellent slip coating for weather-strips, sealing systems, glass channels, sunroof, and door seals. Its unique formulation makes it an ideal choice for applications where a thin film of "low friction" fluid is required. Components such as bushes, o-rings, grommets, pivot pins, hinges, and springs can all benefit from a coating of this specialized PFPE fluid.

CATEGORY

Compressor- and Vacuum Pump Fluids

BENEFITS

PROPERTY	METHOD	VALUE
Colour	ISO 51376	colourless
Base oil type		PFPE
Density kg/dm ³	ISO 51757	1.89
Kinematic viscosity @ 40 °C, mm ² /s	ASTM D445	46
Kinematic viscosity @ 100 °C, mm ² /s	ASTM D445	6,7
Viscosity index	ISO 2909	97
Pour point, °C	ISO 51597	-45
Evaporation loss, 22 hrs@150 °C, %wt	ASTM D972	<2.6
Radiation resistance, rads		5·10 ⁸
4-ball wear test, 40 kg @ 75°C Wear scar, mm	ASTM D4172	0,65
Vapour pressure @ 20 °C, torr		1·10 ⁻⁷
Vapour pressure @ 100 °C, torr		2 ·10 ⁻⁴
Service temperatures, °C		-40 to +130

All data on this technical data sheet is indicative only

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