



Vacutop FL 46

Fluorinated vacuum pump fluids

Description

Vacutop FL series is a range of non-flammable, colourless and odourless perfluoralkyl-polyether type of oil. This product is totally inert both physically and chemically even under the influence of all kind of aggressive liquids and/or gaseous products (except fluorinated solvents) and thermal and/or ionising radiation. Vacutop FL series are essentially inert and non-toxic, they are safe to use with all metals, plastics, leather, elastomers and seal materials.

Applications

Vacutop FL series is formulated for the lubrication of all bearings, chains and joints subjected to a wide range of temperatures. Suitable for the lubrication of all mechanisms subjected to aggressive or corrosive

conditions, geared for lubrication of all plastic and rubber components thanks to its superior compatibility with these materials.

Vacutop FL series can also be used as a slip coating for weather-strip and sealing systems, glass channels, sunroof and door seals. This product is ideal for use in applications where a large number of small components require the application of a thin film of "low friction", virtually invisible fluid. Bushes, o-rings, grommets, pivot pins, hinges & springs can all benefit from a coating of this special PFPE fluid.

Compatibility

Vacutop FL fluids are compatible with all widely used elastomers, seals, gaskets, plastics and metals.

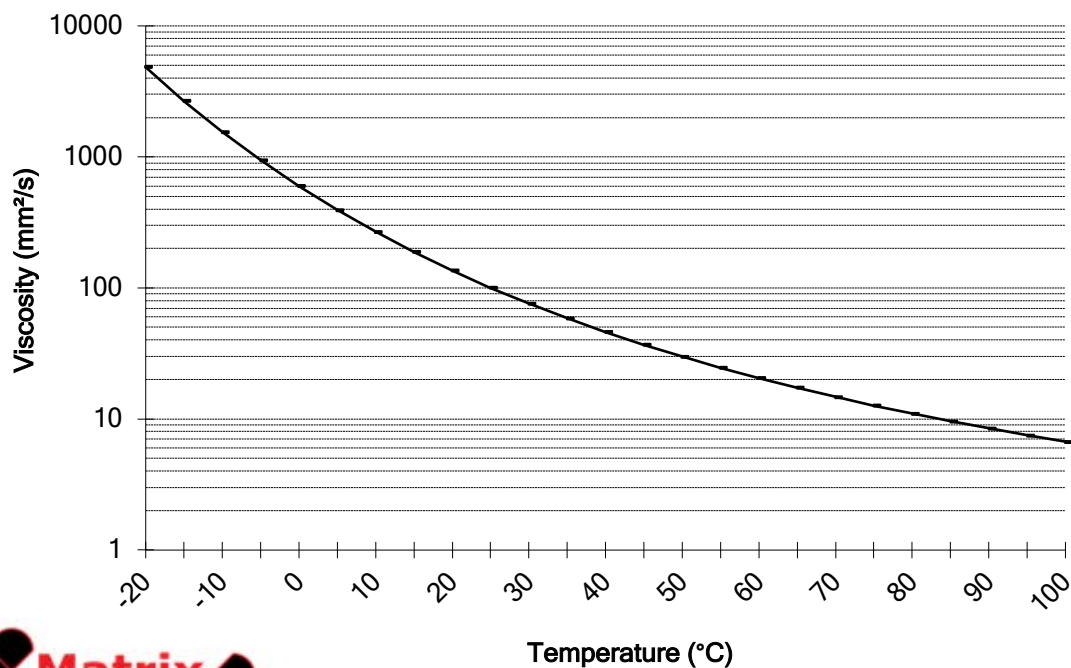
Typical performance data

Vacutop FL 46
Fluorinated vacuum pump fluid

Property	Test method	FL 46
Colour	ISO 51376	colourless
Base oil type	-	PFPE
Density, kg/cm ³	ISO 51757	1.89
Kinematic viscosity @ 40 °C, mm ² /s	ASTM D-445	46
Kinematic viscosity @ 100 °C, mm ² /s	ASTM D-445	6.7
Viscosity Index	ISO 2909	97
Pour point, °C	ISO 51597	-45
Evaporation loss, 22 hrs@/150 °C, % _{ovt}	ASTM D-972	<2.6
Radiation resistance, rads	-	5·10 ⁸
4-ball wear test, 40 kg @ 75°C Wear scar, mm	ASTM D-4172	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 performance data on this Technical Data Sheet are indicative only and can vary during production

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