



Vacutop FL

Fluorinated vacuum pump fluid

Description

Vacutop FL 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.

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.

Compatibility

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

Typical performance data

	Test method	FL 70	FL 85	FL 250
Colour	ISO 51376	Colourless		
Base oil type		PFPE		
Density, kg/cm ³	ISO 51757	1,91	1,91	1,91
Kinematic viscosity @ 40 °C, cSt	ASTM D445	70	85	250
VI	ISO 2909	127	124	134
Pour point, °C	ISO 51597	-51	-35	-25
Evaporation, %/weight @ 22 hrs/100 °C	ASTM D972	<1	<1	<1
Radiation resistance, rads		5x10 ⁸	5x10 ⁸	5x10 ⁸
4-ball wear test, 20 kg @ 107 °C	ASTM D4172			
• Wear scar, mm		0,4	0,4	0,4
• Friction coefficient, mm		0,07	0,07	0,07
Vapour pressure @ 20 °C		1x10 ⁷	1x10 ⁷	1x10 ⁷
Vapour pressure @ 100 °C		3x10 ⁵	3x10 ⁵	3x10 ⁵
Service temperatures, °C		-35 – 200	-25 – 200	-25 – 270

All performance data on this Technical Data Sheet are indicative only and can vary during production

Matrix Specialty Lubricants BV - info@lubes-portal.com - www.lubes-portal.com