



# Fomblin® Y LVAC 06/6RP perfluoropolyether

Fomblin® Y PFPE perfluoropolyether fluids have the following unique features:

- Low vapor pressure
- Chemical inertness
- High thermal stability
- Good lubricant properties
- No flash or fire point
- Non-toxicity
- Excellent compatibility with metals, plastics, elastomers
- Good aqueous and non-aqueous solvent resistance
- High dielectric properties

- Low surface tension
- Good radiation stability
- Environmentally acceptable

Rust Preventive formulation (LVAC RP) was studied to reduce or prevent rusting when huge amount of water vapors has to be pumped or when metal surfaces of the pump are exposed to moisture. An optimum concentration of additive in Fomblin® Y LVAC grades was studied to provide protection against rust and at the same time to guarantee the physical properties and the vacuum performance of the grade.

## General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Asia Pacific • Europe • Latin America • North America
Features	• Chemical Resistant • High Density • High Heat Resistance
Forms	• Liquid

## Physical

	Typical Value	Unit	Test method
Average Molecular Weight	1800	amu	
Density (20°C)	1.88	g/cm <sup>3</sup>	ASTM D4052
Evaporation Weight Loss - 22 hrs (120°C)	3.1	wt%	
Kinematic Viscosity (20°C)	73.0	cSt	ASTM D445
Surface Tension (20°C)	21	dyne/cm	
Vapor Pressure			
25°C	5E-6	torr	
100°C	3E-3	torr	
Viscosity Index	71.0		ASTM D2270

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perfluoropolyether

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Thermal	Typical Value	Unit	Test method
Heat of Vaporization (200°C)	11.0	cal/g	
Pour Point	-50	°C	ASTM D97

## Notes

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Typical properties: these are not to be construed as specifications.

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Progress beyond

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