



Fomblin® Y LVAC 16/6 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

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	2700	amu	
Density (20°C)	1.89	g/cm ³	ASTM D4052
Evaporation Weight Loss - 22 hrs (149°C)	3.9	wt%	
Kinematic Viscosity (20°C)	168	cSt	ASTM D445
Surface Tension (25°C)	22	dyne/cm	
Vapor Pressure			
25°C	9E-8	torr	
100°C	2E-4	torr	
Viscosity Index	110		ASTM D2270

Thermal

	Typical Value	Unit	Test method
Heat of Vaporization (200°C)	8.00	cal/g	
Pour Point	-45	°C	ASTM D97

Fomblin® Y LVAC 16/6

perfluoropolyether

[Additional Information](#)

Notes

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

Fomblin® Y LVAC 16/6

perfluoropolyether



Progress beyond

www.solvay.com

SpecialtyPolymers.EMEA@solvay.com | Europe, Middle East and Africa

SpecialtyPolymers.Americas@solvay.com | Americas

SpecialtyPolymers.Asia@solvay.com | Asia and Australia

Safety Data Sheets (SDS) are available by emailing us or contacting your sales representative. Always consult the appropriate SDS before using any of our products.

Neither Solvay Specialty Polymers nor any of its affiliates makes any warranty, express or implied, including merchantability or fitness for use, or accepts any liability in connection with this product, related information or its use. Some applications of which Solvay's products may be proposed to be used are regulated or restricted by applicable laws and regulations or by national or international standards and in some cases by Solvay's recommendation, including applications of food/feed, water treatment, medical, pharmaceuticals, and personal care. Only products designated as part of the Solviva® family of biomaterials may be considered as candidates for use in implantable medical devices. The user alone must finally determine suitability of any information or products for any contemplated use in compliance with applicable law, the manner of use and whether any patents are infringed. The information and the products are for use by technically skilled persons at their own discretion and risk and does not relate to the use of this product in combination with any other substance or any other process. This is not a license under any patent or other proprietary right.

All trademarks and registered trademarks are property of the companies that comprise the Solvay Group or their respective owners.

© 2023 Solvay Specialty Polymers. All rights reserved.