



Fomblin® Z03 perfluoropolyether

Fomblin® Z perfluoropolyether fluids have the following unique features:

- Good low temperature viscosity
- Superior evaporative loss
- Very high viscosity indices
- Very good extreme pressure (EP) and wear characteristics

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	4000	amu	
Density (20°C)	1.82	g/cm ³	ASTM D4052
Evaporation Weight Loss ¹ (149°C)	6.0	%	ASTM D2595
Four Ball Wear Test ² (75°C)	0.6	mm	ASTM D4172
Kinematic Viscosity			ASTM D445
20°C	30.0	cSt	
40°C	18.0	cSt	
100°C	5.60	cSt	
Surface Tension (20°C)	23	dyne/cm	
Viscosity Index	291		ASTM D2270

Thermal

	Typical Value	Unit	Test method
Pour Point	-90	°C	ASTM D97

Fomblin® Z03

perfluoropolyether

Additional Information

Typical Value Unit

Approximate ISO Grade

15.0

Notes

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

¹ 22 hr

² 1 hr, 1200 rpm, 40 kg



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.