



# Fomblin® YU700

## perfluoropolyether

Fomblin® Y perfluoropolyether fluids have the following unique features:

- Excellent high temperature stability
- Good low temperature properties
- Very good extreme pressure (EP) and wear characteristics
- Low evaporative loss
- Good thermal index

### 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	5000	amu	
Density (20°C)	1.91	g/cm <sup>3</sup>	ASTM D4052
Evaporation Weight Loss <sup>1</sup> (204°C)	1.5	%	ASTM D2595
Four Ball Wear Test <sup>2</sup> (75°C)	0.88	mm	ASTM D4172
Kinematic Viscosity			ASTM D445
20°C	740	cSt	
40°C	214	cSt	
100°C	22.0	cSt	
Surface Tension (20°C)	23	dyne/cm	
Viscosity Index	124		ASTM D2270

### Thermal

	Typical Value	Unit	Test method
Pour Point	-27	°C	ASTM D97

# Fomblin® YU700

perfluoropolyether

---

## Additional Information

## Typical Value Unit

Approximate ISO Grade

220

---

## Notes

---

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

<sup>1</sup> 22 hr

<sup>2</sup> 1 hr, 1200 rpm, 40 kg

# Fomblin® YU700

perfluoropolyether

---



Progress beyond

**[www.solvay.com](http://www.solvay.com)**

[SpecialtyPolymers.EMEA@solvay.com](mailto:SpecialtyPolymers.EMEA@solvay.com) | Europe, Middle East and Africa

[SpecialtyPolymers.Americas@solvay.com](mailto:SpecialtyPolymers.Americas@solvay.com) | Americas

[SpecialtyPolymers.Asia@solvay.com](mailto: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.