



Technical Data Sheet

Fomblin® M07 perfluoropolyether

Fomblin® M perfluoropolyether fluids have the following unique features:

- Excellent viscosity index
- Excellent low temperature torque values
- Very good extreme pressure (EP) characteristics
- Very low evaporative loss properties
- Good thermal stability

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	5400	amu	
Density (20°C)	1.82	g/cm ³	ASTM D891
Evaporation Weight Loss ¹ (149°C)	2	%	ASTM D2595
Four Ball Wear Test ² (75°C)	0.89	mm	ASTM D4172
Kinematic Viscosity			ASTM D445
20°C	66.0	cSt	
40°C	38.0	cSt	
100°C	12.0	cSt	
Surface Tension (20°C)	23	dyne/cm	ASTM D1331A
Viscosity Index	325		ASTM D2270

Thermal

	Typical Value	Unit	Test method
Pour Point	-80	°C	ASTM D97

Fomblin® M07

perfluoropolyether

Additional Information

Typical Value Unit

Approximate ISO Grade

32.0

Notes

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

¹ 22 hr

² 1 hr, 1200 rpm, 40 kg



Progress beyond

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