

Fomblin® M03

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
Density (20°C)	1.81	g/cm ³	ASTM D891
Average Molecular Weight	3900	amu	
Evaporation Weight Loss ¹ (149°C)	6.5	%	ASTM D2595
Four Ball Wear Test ² (75°C)	0.74	mm	ASTM D4172
Kinematic Viscosity			ASTM D445
20°C	30.0	cSt	
40°C	17.0	cSt	
100°C	5.00	cSt	
Surface Tension (20°C)	23	dyne/cm	ASTM D1331A
Viscosity Index	253		ASTM D2270

Thermal	Typical Value	Unit	Test method
Pour Point	-85	°C	ASTM D97

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

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