Technical Data Sheet

Fomblin® W500

perfluoropolyether

Fomblin® W perfluoropolyether fluids have the following unique features:

- Good low to high temperature performance
- Very good viscosity index
- Low to high temperature stability
- Low evaporative loss

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	7200	amu	
Density (20°C)	1.89	g/cm³	ASTM D891
Evaporation Weight Loss [1]			ASTM D2595
149°C	0.10	%	
204°C	0.90	%	
Four Ball Wear Test [2] (75°C)	0.9	mm	ASTM D4172
Kinematic Viscosity			ASTM D445
20°C	543	cSt	
40°C	208	cSt	
100°C	34.0	cSt	
Viscosity Index	209		ASTM D2270

Thermal	Typical Value	Unit	Test method
Pour Point	-46	°C	ASTM D97

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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Progress beyond

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