

Fomblin® YR1800

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
Density (20°C)	1.92	g/cm ³	ASTM D4052
Average Molecular Weight	7300	amu	
Evaporation Weight Loss ¹ (204°C)	0.50	%	ASTM D2595
Four Ball Wear Test ² (75°C)	1.2	mm	ASTM D4172
Kinematic Viscosity			ASTM D445
20°C	1850	cSt	
40°C	510	cSt	
100°C	47.0	cSt	
Surface Tension (20°C)	24	dyne/cm	
Viscosity Index	148		ASTM D2270

Thermal	Typical Value	Unit	Test method
Pour Point	-20	°C	ASTM D97

Additional Information	Typical Value	Unit
Approximate ISO Grade	460	

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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