

Fomblin® Y45

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)	1.91	g/cm ³	ASTM D4052
Average Molecular Weight	4100	amu	
Evaporation Weight Loss ¹			ASTM D2595
149°C	0.70	%	
204°C	1.7	%	
Four Ball Wear Test ² (75°C)	0.81	mm	ASTM D4172
Kinematic Viscosity			ASTM D445
20°C	470	cSt	
40°C	147	cSt	
100°C	16.0	cSt	
Surface Tension (20°C)	22	dyne/cm	
Viscosity Index	117		ASTM D2270

Thermal	Typical Value	Unit	Test method
Pour Point	-30	°C	ASTM D97

Additional Information	Typical Value	Unit
Approximate ISO Grade	150	

Notes

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

¹ 22 hr

² 1 hr, 1200 rpm, 40 kg