

## Solvay Specialty Polymers FOMBLIN® M15 PFPE Lubricant

Category : Fluid , Lubricant , Perfluoropolyether (PFPE)

### Material Notes:

Information provided by Solvay Solexis, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Solvay-Specialty-Polymers-FOMBLIN-M15-PFPE-Lubricant.php](http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-FOMBLIN-M15-PFPE-Lubricant.php)

Physical Properties	Metric	English	Comments
Density	1.83 g/cc	0.0661 lb/in <sup>3</sup>	ASTM D891
Viscosity Measurement	286	286	Viscosity Index; ASTM D2270
Kinematic Viscosity	150 cSt @Temperature 20.0 °C	150 cSt @Temperature 68.0 °F	ASTM D445
Kinematic Viscosity at 40°C (104°F)	85 cSt	85 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	22 cSt	22 cSt	ASTM D445
Molecular Weight	8000 g/mol	8000 g/mol	
Evaporation Loss	0.80 %	0.80 %	22 hrs. at 149°C; ASTM 2595
	3.0 %	3.0 %	22 hrs. at 204°C; ASTM 2595
Surface Tension	24 dynes/cm	24 dynes/cm	ASTM D1331

Mechanical Properties	Metric	English	Comments
Four Ball Extreme Pressure, Weld Load	114 kg	251 lb (mass)	Mean Hertz Load; IP 239
	398 kg	878 lb (mass)	Init. Seiz. Load; IP 239
	562 kg	1240 lb (mass)	Welding Load; IP 239
Four Ball Wear	0.920 mm @Load 40.0 kg, Temperature 75.0 °C	0.0362 in @Load 88.2 lb, Temperature 167 °F	Avg. scar diameter; 1200 RPM, 60 min; ASTM D4172 B

Thermal Properties	Metric	English	Comments
Pour Point	-75.0 °C	-103 °F	ASTM D97

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