

Solvay Specialty Polymers FOMBLIN® W500 PFPE Lubricant

Category : Fluid , Lubricant , Perfluoropolyether (PFPE)

Material Notes:

Fomblin® PFPE fluorinated lubricants are used when harsh chemical environments, high temperatures or wide working-temperature ranges are encountered. Information provided by Solvay Solexis, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-FOMBLIN-W500-PFPE-Lubricant.php

Physical Properties	Metric	English	Comments
Density	1.89 g/cc	0.0683 lb/in ³	ASTM D891
Viscosity Measurement	209	209	Viscosity Index; ASTM D2270
Kinematic Viscosity	543 cSt @Temperature 20.0 °C	543 cSt @Temperature 68.0 °F	ASTM D445
Kinematic Viscosity at 40°C (104°F)	208 cSt	208 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	34 cSt	34 cSt	ASTM D445
Molecular Weight	7200 g/mol	7200 g/mol	
Evaporation Loss	0.90 %	0.90 %	22 hrs. at 204°C; ASTM 2595

Mechanical Properties	Metric	English	Comments
Four Ball Extreme Pressure, Weld Load	114 kg	251 lb (mass)	Mean Hertz Load; IP 239
	562 kg	1240 lb (mass)	Init. Seiz. Load; IP 239
	631 kg	1390 lb (mass)	Welding Load; IP 239
Four Ball Wear	0.900 mm	0.0354 in	Avg. scar diameter; ASTM D4172

Thermal Properties	Metric	English	Comments
Pour Point	-46.0 °C	-50.8 °F	ASTM D97

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