

Solvay Specialty Polymers FOMBLIN[®] M03 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-M03-PFPE-Lubricant.php

Physical Properties	Metric	English	Comments
Density	1.81 g/cc	0.0654 lb/in ³	ASTM D891
Viscosity Measurement	253	253	Viscosity Index; ASTM D2270
Kinematic Viscosity	30 cSt @Temperature 20.0 °C	30 cSt @Temperature 68.0 °F	ASTM D445
Kinematic Viscosity at 40°C (104°F)	17 cSt	17 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	5.0 cSt	5.0 cSt	ASTM D445
Molecular Weight	4000 g/mol	4000 g/mol	
Evaporation Loss	6.0 %	6.0 %	22 hrs. at 149°C; ASTM 2595
Surface Tension	23 dynes/cm	23 dynes/cm	ASTM D1331

Mechanical Properties	Metric	English	Comments
Four Ball Extreme Pressure, Weld Load	102 kg	225 lb (mass)	Mean Hertz Load; IP 239
	316 kg	697 lb (mass)	Init. Seiz. Load; IP 239
	398 kg	878 lb (mass)	Welding Load; IP 239
Four Ball Wear	0.740 mm @Load 40.0 kg, Temperature 75.0 °C	0.0291 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	-85.0 °C	-121 °F	ASTM D97

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