

Solvay Specialty Polymers FOMBLIN® LC80 PFPE Lubricant

Category : Fluid , Lubricant , Perfluoropolyether (PFPE)

Material Notes:

FOMBLIN LC perfluoropolyether fluids have the following unique features: excellent wear characteristics; very good low temperature properties; cost-effective; and outstanding for applications requiring low viscosity. Information provided by Solvay Solexis, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-FOMBLIN-LC80-PFPE-Lubricant.php

Physical Properties	Metric	English	Comments
Density	1.88 g/cc	0.0679 lb/in ³	ASTM D891
Viscosity Measurement	119	119	Viscosity Index; ASTM D2270
Kinematic Viscosity	80 cSt @Temperature 20.0 °C	80 cSt @Temperature 68.0 °F	ASTM D445
Kinematic Viscosity at 40°C (104°F)	30.2 cSt	30.2 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	5.4 cSt	5.4 cSt	ASTM D445
Molecular Weight	2000 g/mol	2000 g/mol	
Evaporation Loss	2.4 %	2.4 %	22 hrs. at 60°C; ASTM 2595
	27 %	27 %	22 hrs. at 120°C; ASTM 2595

Mechanical Properties	Metric	English	Comments
Four Ball Extreme Pressure, Weld Load	100 kg	221 lb (mass)	Mean Hertz Load; IP 239
	400 kg	882 lb (mass)	Welding Load; IP 239
Four Ball Wear	0.600 mm	0.0236 in	Avg. scar diameter; ASTM D4172

Thermal Properties	Metric	English	Comments
Pour Point	-49.0 °C	-56.2 °F	ASTM D97

Descriptive Properties	Value	Comments
Approximate ISO Grade	32	
Oxygen Impact (BAM) 100°C, Impact Pressure	150 atm	

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