

Solvay Specialty Polymers FOMBLIN® YPL1500 PFPE Lubricant

Category : Fluid , Lubricant , Perfluoropolyether (PFPE)

Material Notes:

FOMBLIN YR perfluoropolyether fluids have excellent high temperature stability, good low temperature properties, very good E.P. and wear characteristics, good evaporative loss, and good viscosity indices. Information provided by Solvay Solexis, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-FOMBLIN-YPL1500-PFPE-Lubricant.php

Physical Properties	Metric	English	Comments
Density	1.91 g/cc	0.0690 lb/in ³	ASTM D891
Viscosity Measurement	135	135	Viscosity Index; ASTM D2270
Kinematic Viscosity	1500 cSt @Temperature 20.0 Â°C	1500 cSt @Temperature 68.0 Â°F	ASTM D445
Kinematic Viscosity at 40Â°C (104Â°F)	420 cSt	420 cSt	ASTM D445
Kinematic Viscosity at 100Â°C (212Â°F)	40 cSt	40 cSt	ASTM D445
Molecular Weight	6600 g/mol	6600 g/mol	
Evaporation Loss	0.30 %	0.30 %	22 hrs. at 149Â°C; ASTM 2595
	0.90 %	0.90 %	22 hrs. at 204Â°C; ASTM 2595
Surface Tension	24 dynes/cm	24 dynes/cm	ASTM D1331

Mechanical Properties	Metric	English	Comments
Four Ball Extreme Pressure, Weld Load	126 kg	278 lb (mass)	Mean Hertz Load; IP 239
	355 kg	783 lb (mass)	Init. Seiz. Load; IP 239
	708 kg	1560 lb (mass)	Welding Load; IP 239
Four Ball Wear	0.950 mm	0.0374 in	Avg. scar diameter; ASTM D4172

Thermal Properties	Metric	English	Comments
Pour Point	-25.0 Â°C	-13.0 Â°F	ASTM D97

Descriptive Properties	Value	Comments
Approximate ISO Grade	460	

Descriptive Properties	Value	Comments
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