

Solvay Specialty Polymers FOMBLIN® Y04 PFPE Lubricant

Category : Fluid , Lubricant , Perfluoropolyether (PFPE)

Material Notes:

FOMBLIN Y perfluoropolyether fluids have the following unique features; 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-Y04-PFPE-Lubricant.php

Physical Properties	Metric	English	Comments
Density	1.87 g/cc	0.0676 lb/in ³	ASTM D891
Viscosity Measurement	60	60	Viscosity Index; ASTM D2270
Kinematic Viscosity	38 cSt	38 cSt	ASTM D445
	@Temperature 20.0 Å°C	@Temperature 68.0 Å°F	
Kinematic Viscosity at 40Å°C (104Å°F)	15 cSt	15 cSt	ASTM D445
Kinematic Viscosity at 100Å°C (212Å°F)	3.2 cSt	3.2 cSt	ASTM D445
Molecular Weight	1500 g/mol	1500 g/mol	
Evaporation Loss	14 %	14 %	22 hrs. at 120Å°C; ASTM 2595
Surface Tension	21 dynes/cm	21 dynes/cm	ASTM D1331

Mechanical Properties	Metric	English	Comments
Four Ball Extreme Pressure, Weld Load	84.0 kg	185 lb (mass)	Mean Hertz Load; IP 239
	224 kg	494 lb (mass)	Init. Seiz. Load; IP 239
	355 kg	783 lb (mass)	Welding Load; IP 239
Four Ball Wear	0.510 mm	0.0201 in	Avg. scar diameter; ASTM D4172

Thermal Properties	Metric	English	Comments
Pour Point	-58.0 Å°C	-72.4 Å°F	ASTM D97

Descriptive Properties	Value	Comments
Approximate ISO Grade	15	

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