

Solvay Specialty Polymers FOMBLIN® Y06/6 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-Y066-PFPE-Lubricant.php

Physical Properties	Metric	English	Comments
Density	1.88 g/cc	0.0679 lb/in ³	ASTM D891
Viscosity Measurement	70	70	Viscosity Index; ASTM D2270
Kinematic Viscosity	60 cSt @Temperature 20.0 °C	60 cSt @Temperature 68.0 °F	ASTM D445
Kinematic Viscosity at 40°C (104°F)	22 cSt	22 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	3.9 cSt	3.9 cSt	ASTM D445
Molecular Weight	1800 g/mol	1800 g/mol	
Evaporation Loss	6.0 %	6.0 %	22 hrs. at 120°C; ASTM 2595
	20 %	20 %	22 hrs. at 149°C; ASTM 2595
Surface Tension	21 dynes/cm	21 dynes/cm	ASTM D1331

Mechanical Properties	Metric	English	Comments
Four Ball Extreme Pressure, Weld Load	107 kg	236 lb (mass)	Mean Hertz Load; IP 239
	282 kg	622 lb (mass)	Init. Seiz. Load; IP 239
	398 kg	878 lb (mass)	Welding Load; IP 239
Four Ball Wear	0.630 mm	0.0248 in	Avg. scar diameter; ASTM D4172

Thermal Properties	Metric	English	Comments
Pour Point	-50.0 °C	-58.0 °F	ASTM D97

Descriptive Properties	Value	Comments
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Approximate ISO Grade Descriptive Properties	Value	Comments
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