

Solvay Specialty Polymers FOMBLIN® Y45 PFPE Lubricant

Category : Fluid , Lubricant , Perfluoropolyether (PFPE) , Polymer , Thermoplastic , Fluoropolymer

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-Y45-PFPE-Lubricant.php

Physical Properties	Metric	English	Comments
Density	1.91 g/cc	0.0690 lb/in ³	ASTM D891
Viscosity Measurement	117	117	Viscosity Index; ASTM D2270
Kinematic Viscosity	470 cSt @Temperature 20.0 °C	470 cSt @Temperature 68.0 °F	ASTM D445
Kinematic Viscosity at 40°C (104°F)	147 cSt	147 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	16 cSt	16 cSt	ASTM D445
Molecular Weight	4100 g/mol	4100 g/mol	
Evaporation Loss	0.70 %	0.70 %	22 hrs. at 149°C; ASTM 2595
	1.7 %	1.7 %	22 hrs. at 204°C; ASTM 2595
Surface Tension	22 dynes/cm	22 dynes/cm	ASTM D1331

Mechanical Properties	Metric	English	Comments
Four Ball Extreme Pressure, Weld Load	122 kg	269 lb (mass)	Mean Hertz Load; IP 239
	251 kg	553 lb (mass)	Init. Seiz. Load; IP 239
	447 kg	986 lb (mass)	Welding Load; IP 239
Four Ball Wear	0.810 mm	0.0319 in	Avg. scar diameter; ASTM D4172

Thermal Properties	Metric	English	Comments
Pour Point	-30.0 °C	-22.0 °F	ASTM D97

Descriptive Properties	Value	Comments
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Approximate ISO Grade Descriptive Properties	150 Value	Comments
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