

Solvay Specialty Polymers FOMBLIN® Y25 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-Y25-PFPE-Lubricant.php

Physical Properties	Metric	English	Comments
Density	1.90 g/cc	0.0686 lb/in ³	ASTM D891
Viscosity Measurement	108	108	Viscosity Index; ASTM D2270
Kinematic Viscosity	250 cSt @Temperature 20.0 °C	250 cSt @Temperature 68.0 °F	ASTM D445
Kinematic Viscosity at 40°C (104°F)	80 cSt	80 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	10 cSt	10 cSt	ASTM D445
Molecular Weight	3200 g/mol	3200 g/mol	
Evaporation Loss	2.0 %	2.0 %	22 hrs. at 149°C; ASTM 2595
	15 %	15 %	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	115 kg	254 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	0.660 mm	0.0260 in	Avg. scar diameter; ASTM D4172

Thermal Properties	Metric	English	Comments
Pour Point	-35.0 °C	-31.0 °F	ASTM D97

Descriptive Properties	Value	Comments
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Approximate ISO Grade Descriptive Properties	100 Value	Comments
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