

Solvay Specialty Polymers FOMBLIN® Y L-VAC 16/6 PFPE Pump Oil

Category : Fluid , Lubricant , Perfluoropolyether (PFPE)

Material Notes:

FOMBLIN Y fluids are a mixture of fluorinated polymers obtained by a photochemical process that begins with hexafluoropropylene. Since the FOMBLIN chemical chain contains only carbon, fluorine, and oxygen atoms, the PFPEs have exceptional properties such as: low vapor pressure; chemical inertness; non-flammability; high thermal stability; no flash or fire point; low toxicity; excellent compatibility with metals, plastics, elastomers; low volatility; good aqueous and non-aqueous solvent resistance; high dielectric properties; low surface tension; good radiation stability; and environmentally friendly-do not damage the ozone. Information provided by Solvay Solexis, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-FOMBLIN-Y-L-VAC-166-PFPE-Pump-Oil.php

Physical Properties	Metric	English	Comments
Density	1.89 g/cc	0.0683 lb/in ³	ASTM D891
Viscosity Measurement	110	110	Viscosity Index; ASTM D2270
Kinematic Viscosity	168 cSt @Temperature 20.0 Â°C	168 cSt @Temperature 68.0 Â°F	ASTM D445
Molecular Weight	2700 g/mol	2700 g/mol	
Vapor Pressure	2.67e-9 bar @Temperature 20.0 Â°C	0.00000200 torr @Temperature 68.0 Â°F	Knudsen
	0.00000133 bar @Temperature 100 Â°C	0.00100 torr @Temperature 212 Â°F	Knudsen
Evaporation Loss	3.0 %	3.0 %	22 hrs. at 149Â°C; ASTM 2595
Surface Tension	22 dynes/cm	22 dynes/cm	ASTM D1331

Thermal Properties	Metric	English	Comments
Heat of Vaporization	33.5 J/g @Temperature 200 Â°C	14.4 BTU/lb @Temperature 392 Â°F	
Pour Point	-45.0 Â°C	-49.0 Â°F	ASTM D97

Optical Properties	Metric	English	Comments
Refractive Index	1.296	1.296	n ₀ ²⁰

Descriptive Properties	Value	Comments
Specific Oil Consumption	0.5 cm ³ /hr	
Ultimate Total Pressure	0.0024 torr	

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