

Solvay Specialty Polymers FOMBLIN® Y L-VAC 25/6 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-256-PFPE-Pump-Oil.php

Physical Properties	Metric	English	Comments
Density	1.90 g/cc	0.0686 lb/in ³	ASTM D891
Viscosity Measurement	113	113	Viscosity Index; ASTM D2270
Kinematic Viscosity	276 cSt @Temperature 20.0 °C	276 cSt @Temperature 68.0 °F	ASTM D445
Molecular Weight	3300 g/mol	3300 g/mol	
Vapor Pressure	5.33e-11 bar @Temperature 20.0 °C	4.00e-8 torr @Temperature 68.0 °F	Knudsen
	8.00e-8 bar @Temperature 100 °C	0.0000600 torr @Temperature 212 °F	Knudsen
Evaporation Loss	0.60 %	0.60 %	22 hrs. at 149°C; ASTM 2595
Surface Tension	22 dynes/cm	22 dynes/cm	ASTM D1331

Thermal Properties	Metric	English	Comments
Heat of Vaporization	29.3 J/g @Temperature 200 °C	12.6 BTU/lb @Temperature 392 °F	
Pour Point	-35.0 °C	-31.0 °F	ASTM D97

Optical Properties	Metric	English	Comments
Refractive Index	1.299	1.299	n ₀ ²⁰

Descriptive Properties	Value	Comments
Specific Oil Consumption	0.7 cm ³ /hr	
Ultimate Total Pressure	0.0012 torr	

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