

Solvay Specialty Polymers FOMBLIN® Y H-VAC 140/13 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-H-VAC-14013-PFPE-Pump-Oil.php

Physical Properties	Metric	English	Comments
Density	1.92 g/cc	0.0694 lb/in ³	ASTM D891
Kinematic Viscosity	1508 cSt @Temperature 20.0 Â°C	1508 cSt @Temperature 68.0 Â°F	ASTM D445
Molecular Weight	6600 g/mol	6600 g/mol	
Vapor Pressure	6.70e-16 bar @Temperature 20.0 Â°C	5.00e-13 torr @Temperature 68.0 Â°F	Knudsen
	6.67e-11 bar @Temperature 100 Â°C	5.00e-8 torr @Temperature 212 Â°F	Knudsen

Thermal Properties	Metric	English	Comments
Heat of Vaporization	20.9 J/g @Temperature 200 Â°C	9.00 BTU/lb @Temperature 392 Â°F	
Pour Point	-23.0 Â°C	-9.40 Â°F	ASTM D97

Optical Properties	Metric	English	Comments
Refractive Index	1.304	1.304	n ₀ >20</sup>

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