

Solvay Specialty Polymers FOMBLIN® Y H-VAC 40/11 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-4011-PFPE-Pump-Oil.php

| Physical Properties | Metric | English | Comments |
|---------------------|---|---------------------------------------|-----------|
| Density | 1.91 g/cc | 0.0690 lb/in ³ | ASTM D891 |
| Kinematic Viscosity | 474 cSt @Temperature 20.0 °C | 474 cSt @Temperature 68.0 °F | ASTM D445 |
| Molecular Weight | 4100 g/mol | 4100 g/mol | |
| Vapor Pressure | 8.00e-15 bar @Temperature 20.0 °C | 6.00e-12 torr @Temperature 68.0 °F | Knudsen |
| | 4.00e-10 bar @Temperature 100 °C | 3.00e-7 torr @Temperature 212 °F | Knudsen |

| Thermal Properties | Metric | English | Comments |
|----------------------|---------------------------------|------------------------------------|----------|
| Heat of Vaporization | 29.3 J/g @Temperature 200 °C | 12.6 BTU/lb @Temperature 392 °F | |
| Pour Point | -32.0 °C | -25.6 °F | ASTM D97 |

| Optical Properties | Metric | English | Comments |
|--------------------|--------|---------|--------------------------|
| Refractive Index | 1.301 | 1.301 | n ₀ >20</sup> |

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