

Mycom D Oil 46 Synthetic Refrigeration Fluid

PRODUCT DESCRIPTION

Mycom D Oil 46 synthetic refrigeration fluid is a alkylate based refrigeration oil. It is ideal for halogenated refrigerants, hydrocarbons and Ammonia, in refrigeration and air-conditioning applications.

This high quality product exhibits properties such as:

low floc point and foaming,
superior miscibility,
excellent thermal and oxidative stability.

TYPICAL PROPERTIES

	46
Viscosity @ 40°C cSt ASTM D445	39.5
Viscosity @ 100°C cSt	5.0
Viscosity @ 100°F, SUS	208
Viscosity @ 210°F, SUS	43
Viscosity Index ASTM D2270	6
Density, lb/gal, 60°F	7.04
Density, g/ml, 15°C, ASTM D1298	0.845
Pour Point °F (°C) ASTM D97	-40 (-40)
Flash Point, C.O.C., °F (°C) ASTM D92	355 (180)
Fire Point, C.O.C., °F (°C) ASTM D92	375 (190)
Specific Gravity, ASTM D1298	0.86
Floc Point °C, max, ASTM ASH86	-65

This product is available in other viscosities and in a variety of packages.
These values are not intended for use in preparing specifications.
Additional information is available upon request.

THERMODYNAMIC PROPERTIES

Temperature (°C)	Density (g/ml)	Specific heat capacity (kcal/kg.K)	Specific heat capacity (kJ/kg.K)	Thermal conductivity (kcal/m.h. °C)	Thermal conductivity (W/m.K)
15	0.845	0.4516	1.8896	0.1186	0.1378
40	0.829	0.4781	2.0003	0.1191	0.1385
70	0.811	0.5105	2.1361	0.1199	0.1393
100	0.792	0.5438	0.1206	0.1206	0.1402

MATERIAL COMPATABILITY

Mycom D Oil 46 synthetic refrigeration fluid is recommended for usage with these elastomers:

Recommended (Superior Performance)

Viton A, DuPont, fluoroelastomer
 Kalrez 1050, DuPont, perfluoroelastomer
 Kalrez 3018
 Buna S, Butadiene - styrene copolymer
 Buna N, over 36% nitrile content
 Thiokol 3060, polysulfide
 Silicone rubber
 White asbestos
 F rubber
 H rubber

Good (Performance equal to or better than conventional Mineral oil lubricants)

Neoprene
 Natural gum rubber
 Natural red rubber
 Natural black rubber
 EPR, ethylene - propylene - Diene copolymer

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Mayekawa, s.l.

Pol. Ind. Camporoso

C/ Montevideo, Nº 5. Nave 13

28806 Alcalá de Henares, Madrid (España)

Tel.: 91 830 03 92 - Fax: 91 830 03 97

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