

Fluorinated Oil DEMNUM

 TECHNICAL
DATASHEET

DEMNUM is a lubricant having excellent thermal and chemical stability.

Introduction

- DEMNUM is a perfluoropolyether oil that has a straight-chain structure developed using DAIKIN's original technology.
- **Excellent thermal and chemical stability and inertness.**
- Excellent solvent resistance.
- It is suitable for usage as a lubricant especially **where durability and cleanliness are required**

General physical properties

items	Test method	S-20	S-65	S-200	
Average molecular weight	¹⁹ F-NMR	2700	4500	8400	
Kinematic viscosity (cSt)	B-type viscometer	20°C	53	150	500
		40°C	25	65	200
		60°C	14	33	95
		100°C	5	15	30
Viscosity index	JIS K2283	150	180	210	
Density 20°C (g/cm ³)	Specific gravity bottle method	1.86	1.87	1.89	
Pour point (°C)	JIS K2269	-75	-65	-53	
Refractive index, n _D 20°C	Refractometer	1.290	1.295	1.298	
Surface tension (mN/m)	Wilhelmy 法	17.7	18.0	19.1	
Vapor pressure (hPa)	Boiling point method	20°C	1×10 ⁻⁵	3×10 ⁻⁷	3×10 ⁻¹¹
		100°C	2×10 ⁻²	3×10 ⁻⁴	2×10 ⁻⁷
Glass-transition temperature (°C)	DSC	-115	-111	-104	
Specific heat (J/g°C)	Adiabatic method	1.0			
Dielectric breakdown voltage 2.5mm (kV)	—	72			
Structural formula	—	F-(CF ₂ CF ₂ CF ₂ O) _n -CF ₂ CF ₃			

* The above numeric values are representative and not guaranteed.

Handling method/Safety information

- Be sure to read the notes on SDS and labels before use.
- This product is intended for general industry, and therefore its adequacy and safety as a raw material for medical purposes cannot be guaranteed.

Packing specification

- DEMNUM: 1kg (plastic bottle), 25kg (can)

For more information, visit our website.

DAIKIN INDUSTRIES, LTD.

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tds-demnum-E_ver02_Jul_2019

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