

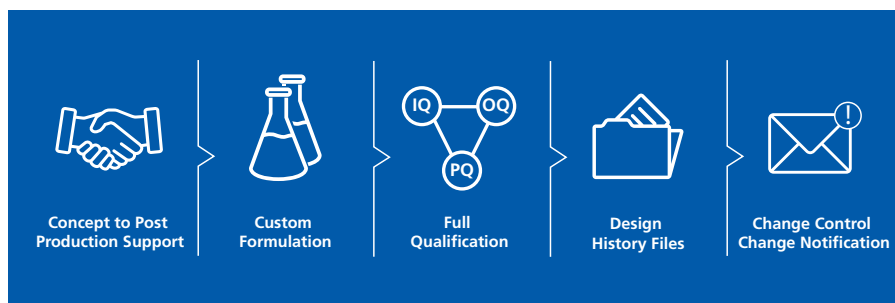
Product Overview

MOVING YOUR WORLD



NYEMED® 7471

A completely fluorinated, biocompatible fluid for medical applications.



Advantages

Superb resistance to oxidation and chemicals

Very wide temperature range (-50 to 250°C)

Does not swell most plastics and elastomers

Excellent moisture resistance

Clear and colorless

Product Description

A completely fluorinated, inert fluid, exhibiting low solubility in most materials and liquids encountered in the medical industry.

ISO 13485:2016 Certified

Nye Lubricants, a member of the FUCHS Group, operates a Quality Management System that complies with the requirements of ISO 13485:2016. Our process controls, documentation, and quality standards meet or exceed all requirements for the design, manufacture, and distribution of synthetic lubricants for medical devices.

Biocompatibility

Test	Standard	Results	Meaning
Cytotoxicity L929 Agar Diffusion (Direct Contact)	ISO 109993-5	Grade 0	No Cellular Reactivity
Skin Irritation (Direct Contact)	ISO 10993-10	Primary Irritation Index 0.0	Negligible Irritant
Acute Systemic Toxicity (Direct Injection)	ISO 10993-11	Negative	Pass

NYEMED® 7471

Lubricants add value to innovative designs in medical technology every day. Our NYEMED® product line consists of biocompatible greases, oils, gels and fluids that were specifically formulated to enable, protect and improve the functionality of medical devices. In addition to biocompatibility testing, we also provide data on the typical properties of our lubricants.

Properties

Base Fluid Properties		Value	Test Method
Type		Perfluoropolyether (PFPE)	
Flash Point		Non-Flammable	ASTM D92
Base Fluid Apparent Viscosity (cP)	25°C	840	Nye CTM
	45°C	476	

Product Properties		Typical Value	Test Method
Color/Appearance		Clear, Colorless	Visual
Apparent Viscosity (cP)	25 °C, 50/s shear rate	N/A	Nye CTM
Density (g/cm³)	25 °C	1.83	Nye CTM
Oil Separation	24 h, 100 °C	N/A	ASTM D6184
Evaporation	24 h, 100 °C	0.01%	ASTM D972

Typical Values are not indicative of a specification.

FUCHS LUBRICANTS CO.
 17050 Lathrop Avenue
 Harvey, IL 60426
 United States
 Phone + 1 708-333-8900
 E-mail inquiry@fuchs.com
www.fuchs.com/us

FUCHS LUBRICANTS CANADA LTD.
 (Eastern Division)
 405 Dobbie Drive
 Cambridge, Ontario
 N1R 5X9
 Canada
 Phone +1 519-622-2040
 E-mail inquiriesCA@fuchs.com
www.fuchs.com/ca

FUCHS LUBRICANTS CANADA LTD.
 (Pacific Division)
 19829 99A Avenue
 Langley, British Columbia
 V1M 3G4
 Canada
 Phone +1 604-888-1552
 E-mail inquiriesCA@fuchs.com
www.fuchs.com/ca

LUBRICANTES
FUCHS DE MÉXICO SA DE CV
 Acceso C No. 101
 Parque Industrial Jurica
 76120 Querétaro, Qro.
 Mexico
 Phone + 52 (442) 2 38 91-00
 E-mail info@fuchs.com.mx
www.fuchs.com/mx