

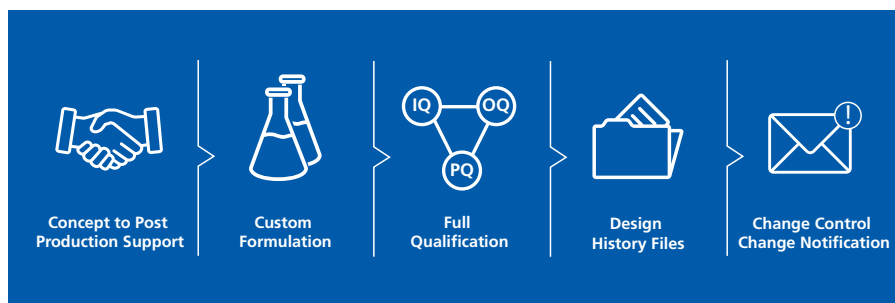
Product Overview

MOVING YOUR WORLD



NYEMED® 7477

A completely fluorinated, biocompatible grease for medical applications.



Advantages

Superb resistance to oxidation and chemicals

Does not swell most plastics and elastomers

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

Excellent moisture resistance

Product Description

A completely fluorinated, inert lubricating grease with broad utility, 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 10993-5	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® 7477

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	202	Nye CTM
	45°C	106	

Product Properties		Typical Value	Test Method
Color/Appearance		White, Opaque	Visual
Apparent Viscosity (cP)	25 °C, 50/s shear rate	17,540	Nye CTM
Density (g/cm³)	25 °C	1.95	Nye CTM
NLGI Grade		2	ASTM D217
Oil Separation	24 h, 100 °C	4.6%	ASTM D6184
Evaporation	24 h, 100 °C	0.04%	ASTM D972

Typical Values are not indicative of a specification.

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