

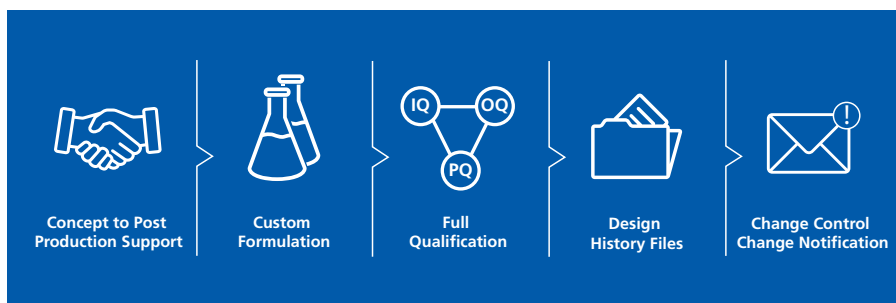
# Product Overview

MOVING YOUR WORLD



## NYEMED® 7328

A biocompatible silicone-based damping gel for medical applications.



### Advantages

Excellent moisture and humidity resistance

Inherent oxidative stability

Broad materials compatibility

Low viscosity-temperature dependence

Good lubrication for plastics

### Product Description

A silicone-based damping gel with a narrow viscosity specification, developed for precision motion control in medical devices. Compared to silicone-based damping gel NYEMED® 7325, the consistency is less stiff and there is no UV tracer dye.

### 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 as well.

### Biocompatibility

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

# NYEMED® 7328

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		Silicone	
Flash Point		> 300°C	ASTM D92
Base Fluid Apparent Viscosity (cP)	25°C	165,000	CTM*
	45°C	116,000	

Product Properties		Typical Value	Test Method
Color/Appearance		White, Opaque	Visual
Apparent Viscosity (cP)	25 °C, 50/s shear rate	125,000	CTM*
Density (g/cm <sup>3</sup> )	25 °C	1.18	CTM*
Oil Separation	24 h, 100 °C	0%	ASTM D6184
Evaporation	24 h, 100 °C	0%	ASTM D972

Typical Values are not indicative of a specification.

\*CTM = Company Test Method

**FUCHS LUBRICANTS CO.**  
17050 Lathrop Avenue  
Harvey, IL 60426  
United States  
Phone + 1 708-333-8900  
E-mail [inquiry@fuchs.com](mailto:inquiry@fuchs.com)  
[www.fuchs.com/us](http://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](mailto:inquiriesCA@fuchs.com)  
[www.fuchs.com/ca](http://www.fuchs.com/ca)

**FUCHS LUBRICANTS CANADA LTD.**  
(Western Division)  
19829 99A Avenue  
Langley, British Columbia  
V1M 3G4  
Canada  
Phone +1 604-888-1552  
E-mail [inquiriesCA@fuchs.com](mailto:inquiriesCA@fuchs.com)  
[www.fuchs.com/ca](http://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](mailto:info@fuchs.com.mx)  
[www.fuchs.com/mx](http://www.fuchs.com/mx)