

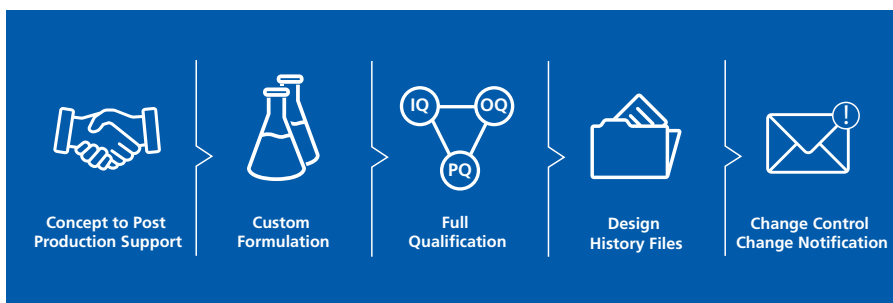
Product Overview

MOVING YOUR WORLD



NYEMED® 7325

A biocompatible silicone-based damping grease for medical applications.



Advantages

UV dye enhances tracing and visualization

Inherent oxidative stability

Broad materials compatibility

Low viscosity-temperature dependence

Good lubrication for plastics

Good moisture resistance

Product Description

A UV-dyed, silicone-based grease with a narrow viscosity specification, appropriate for both motion control and lubrication in medical applications.

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® 7325

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	60,000	Nye CTM
	45°C	42,000	

Product Properties		Typical Value	Test Method
Color/Appearance		White, Opaque	Visual
Apparent Viscosity (cP)	25 °C, 50/s shear rate	116,000	Nye CTM
Density (g/cm³)	25 °C	1.23	Nye CTM
NLGI Grade		2.5	ASTM D217
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.

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