

NYEMED® 7492

LUBRICATION

PRODUCT OVERVIEW

A paste-like, UV-dyed, synthetic polyol-ester **grease** which serves as a lubricant in applications where oil separation at higher temperatures may be desirable. The relatively low viscosity of this product, as well as affinity to metal surfaces due to its inherent polarity allows it to perform well in high-speed or precision bearings, or similar metal-on-metal applications.

CHARACTERISTICS

- UV dye enhances tracing and visualization
- Very good resistance to oxidation
- Very wide temperature range (-50 to 150°C)

PROPERTIES

Base Fluid Properties		Typical Value	Test Method
Type		Polyol-ester	
Flash Point		> 245°C	ASTM D-92
Base Fluid Apparent Viscosity (cP)	25°C	29	Nye CTM
	45°C	27	

Product Properties		Typical Value	Test Method
Color/Appearance		Yellow-orange, Translucent	Visual
Apparent Viscosity (cP)	25°C, 50/s shear rate	8,390	Nye CTM
Density (g/cm³)	25°C	0.91	Nye CTM
Oil Separation	24 hrs, 100°C	4.5%	ASTM D-6184
Evaporation	24 hrs, 100°C	0.3%	ASTM D-972

Typical Values are not indicative of a specification.

CONCEPT TO POST PRODUCTION SUPPORT

CUSTOM FORMULATION

FULL QUALIFICATION

DESIGN HISTORY FILES

CHANGE CONTROL CHANGE NOTIFICATION

ISO CERTIFICATION

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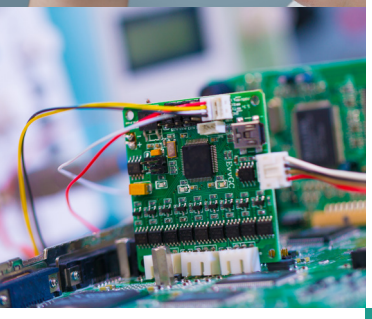
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BIOCOMPATIBILITY

Test	Standard	Result	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 1.0	Slight Irritant
Acute Systemic Toxicity (Direct Injection)	ISO 10993-11	Negative	Pass

ISO 13485:2016 CERTIFIED

Nye Lubricants operates a Quality Management System that complies with the requirements of ISO 13485:2016. Certified by BSI under certificate number FM608437, our process controls, documentation, and quality standards meet or exceed all requirements for the design, manufacture, and distribution of synthetic lubricants for medical devices.

bsi. ISO 13485 Medical Devices Quality Management

FM 608437

PRODUCT PACKAGING

Packaging Type	Package Code	Volume (cc)	Weight (g)	Package Description
Syringe	30CC-CL	30	27	PP syringe; PE piston. Designed for automatic dispensing systems.
Syringe	55CC-CL	55	50	PP syringe; PE piston. Designed for automatic dispensing systems.
Cartridge	135GRC-EFD	148	135	PP cartridge; PE piston. Designed for automatic dispensing systems.

Since 1844 Nye®

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