

ELM Wire Rope Grease NLGI Grade 0, 1 & 2

Part Number: G-280 and G-290

Biodegradable Lubricating Grease

DESCRIPTION Wire Rope Grease is premium quality biodegradable, Biotechbased™ grease formulated from USA-grown vegetable oils, aluminum-based thickener and anti-corrosion additives for maximum wire rope protection.

BIOBASED-BIODEGRADABLE-NON-BIOACCUMULATIVE Based on evaluation of the base oils and the finished products, the ELM biobased products are designed to be biodegradable, aquatically non-toxic, not- bioaccumulative, and with no impact on plants as determined by known test methods. Nevertheless, the use of all of ELM products are subject to the local ordinances and ultimate responsibility for impact remains with the users.

- APPLICATIONS**
- Recommended for most wire ropes and cables
 - Ideal for protection from salt spray
 - Excellent for extreme pressure applications
 - Designed for protection between all metal to metal contact areas
 - Prevents rust and corrosion
 - Recommended for marine applications or anywhere that wire rope is used
 - Recommended for environmentally sensitive areas near waterways

- BENEFITS**
- Contains anti-corrosion additives to prevent rust
 - Contains anti-wear additives to extend the life of wire ropes
 - Higher flash point than petroleum greases for increased safety
 - Biodegradable formula reduces damage to the environment
 - Meets EPA's Environmental Preferable Purchasing (EPP) criteria
 - Meets USDA's proposed Biobased product definition for EO 13101
 - Manufactured from renewable crop-based oils

		<u>Grade 1</u>	<u>Grade 2</u>	<u>Grade 3</u>
TYPICAL PROPERTIES	Appearance	Amber	Amber	Amber
	NLGI Grade	0	1	2
	Cone Penetration, Worked (60x)	355-385	300-330	265-255
	Dropping Point °C (°F)	>235 (455)	>240	>240
	Oil Separation	<10%	<10%	<10%
	Base Oil Viscosity at 40°C (cSt)	51	130	220
	Base Oil Viscosity at 100°C (cSt)	10.5	22	36
	Base Oil Viscosity Index	202	198	214
	Base Oil Flash Point, °C (°F)	326 (619)	326 (619)	326 (619)
	Base Oil Biodegradability – OECD 301	Pass	Pass	Pass
	Base Oil Aquatic Toxicity – OECD 202	Non-toxic	Non-toxic	Non-toxic
	Base Oil Plant Toxicity - OECD 208	Non-toxic	Non-toxic	Non-toxic

PACKAGING	<i>14 oz Cartridges</i>	400 lb Drums	2100 lb Totes
	35 lb Pails	120 lb Kegs	

DATA PROVIDED IN THIS BULLETIN IS TO BE CONSIDERED AS REPRESENTATIVE OF CURRENT PRODUCTION GENERALLY AND NOT AS SPECIFICATIONS. WHILE ALL THE DATA PRESENTED IN THIS BULLETIN IS BELIEVED TO BE RELIABLE, AND BECAUSE CONDITIONS OF USE ARE BEYOND OUR CONTROL, ELM MAKES NO REPRESENTATIONS, GUARANTEES OR WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR AS TO THE CORRECTNESS OR SUFFICIENCY OF DATA HEREIN PRESENTED. EACH USER SHOULD CONDUCT A SUFFICIENT INVESTIGATION TO ESTABLISH THE FITNESS OF ANY PRODUCT FOR ITS INTENDED PURPOSE. NO AGENT, REPRESENTATIVE, OR EMPLOYEE OF THIS COMPANY IS AUTHORIZED TO VARY ANY OF THE TERMS OF THIS NOTICE. TO CONTINUE TO PROVIDE SUPERIOR QUALITY, ELM RESERVES THE RIGHT TO CHANGE THE COMPOSITION OF ITS PRODUCTS WITHOUT NOTICE.