

ELM Tempflex® 0 to 100 with MoS₂ Rail Curve Grease
Part Number: G-240
Biodegradable Rail Curve Lubricant



DESCRIPTION TempFlex™ 0 to 100 with MoS₂ is a premium quality biodegradable, Rail Curve Lubricant formulated from USA-grown vegetable oils and a lithium-based thickener.

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**
- Designed for wayside applicators with wide temperature requirements
 - Ideal for prolonged cold temperatures or hi-rail application
 - Pumps and carries when using wayside application equipment and grease temperature is between 0°F and 100°F
 - Recommended for heavy load applications such as coal trains
 - Recommended for environmentally sensitive areas near waterways

- BENEFITS**
- Contains advanced extreme pressure additives and molybdenum disulphide to enhance the effects for unsurpassed protection from wear
 - Reduces friction and wear between track and wheel flange.
 - Formulated to resist port plugging in wiping bars
 - Longer carry down and increased retention
 - Better gauge face coefficient of friction than most petroleum-based grease
 - Less migration to top of rail than major petroleum-based grease
 - Improves fuel efficiency and superior lubricity
 - Higher flash point than petroleum greases for increased safety
 - Biodegradable formula reduces damage to the environment
 - Meets EPA's Environmental Preferable Purchasing (EPP) criteria

PERFORMANCE LEVELS ■ Recommended for all Portec®, LB-Foster and SKF and other brand lubricators

TYPICAL PROPERTIES	Appearance	Dark Gray to Black
	Cone Penetration, Unworked	310-340
	Four Ball Wear Scar (mm)	0.4
	Four Ball Weld Load (kg)	500
	Dropping Point °C (°F)	191 (376)
	Base Oil Viscosity at 40°C (cSt)	86
	Base Oil Viscosity at 100°C (cSt)	16
	Base Oil Viscosity Index	201
	Base Oil Flash Point, °C (°F)	326 (619)
	Base Oil Biodegradability – OECD 301	Pass
Base Oil Aquatic Toxicity – OECD 202	Non-toxic	
Base Oil Plant Toxicity - OECD 208	Non-toxic	

PACKAGING 35 lb Pails 400 lb Drums
 120 lb Kegs 2100 lb Totes

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