

ELM® TempFlex™ 0 to 100 Biodegradable Rail Curve Lubricant

Category : Fluid , Lubricant , Lithium Gellant

Material Notes:

Description: TempFlex™ 0 to 100 is a premium quality biodegradable, Biotechbased™ Rail Curve Lubricant formulated from USA-grown vegetable oils and a lithiumbased thickener. **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 for 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 Meets USDA's proposed Biobased product definition for EO 13101 Manufactured from renewable USA-grown crop-based oils Information provided by ELM®

Order this product through the following link:

http://www.lookpolymers.com/polymer_ELM-TempFlex-0-to-100-Biodegradable-Rail-Curve-Lubricant.php

Physical Properties	Metric	English	Comments
Viscosity Measurement	201	201	Base Oil, Index
Kinematic Viscosity at 40°C (104°F)	86 cSt	86 cSt	
Kinematic Viscosity at 100°C (212°F)	16 cSt	16 cSt	

Mechanical Properties	Metric	English	Comments
Four Ball Extreme Pressure, Weld Load	500 kg	1100 lb (mass)	
Four Ball Wear	0.580 mm	0.0228 in	
Penetration	310 - 340	310 - 340	Cone, unworked

Thermal Properties	Metric	English	Comments
Flash Point	326 °C	619 °F	Base Oil
Dropping Point	191 °C	376 °F	

Descriptive Properties	Value	Comments
Appearance	Dark Green to Black	

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