

# HonuBio FlexTemp 160

## 35 to 160 w/MoS2 Rail Curve Grease



Next Generation Sustainable Lubrication Technologies

### PRODUCT NAME

**HonuBio FlexTemp 100**  
**0 to 100 w/MoS2 Rail Curve Grease**

### MANUFACTURER

Honu Eco Sustainable Solutions, Inc.  
200 Mayfly Way  
Simpsonville, South Carolina 29680

### DESCRIPTION

Honu Eco FlexTemp 35 to 100 with MoS2 is a premium quality biodegradable, Rail Curve Lubricant formulated from USA-grown vegetable oils and a lithium-based thickener.

### FEATURES AND 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 track from lubricator
- 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

### Performance Levels

Recommended for all Portec® and other brand lubricators

### PACKAGING

35 lb. pail, 120 lb. kegs, 400 lb. drum and 2,100 lb. totes

### SUITABLE USES

- Designed for wayside applicators with wide temperature requirements
- Pumps and carries when using wayside application equipment and grease temperature is between 35°F and 160°F
- Recommended for heavy load applications such as coal trains
- Recommended for environmentally sensitive areas near waterways

### STORAGE AND SHELF LIFE

**Storage** – Keep in a cool, dry and well-ventilated place. Store in a properly labelled, original container. Containers which are opened must be carefully resealed and kept upright to prevent leakage. To help maintain product quality, do not store in heat or direct sunlight.

**Shelf Life** - Product shelf life is 24 months from date of packaging. In some cases, product can last longer, please contact your Honu Eco representative for proper testing and confirmation instructions.

### CAUTIONS

Ensure adequate ventilation. Do not breathe vapor/dust. Use personal protective equipment and avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. See the Safety Data Sheet (SDS) for emergency, proper handling and disposal information.

### APPLICATION

- Follow recommendations provided in your equipment's owner's manual
- Follow your organization's manuals and/or best practices for preparation, cleaning, conversion, application and ongoing maintenance practices
- If you have further questions, please contact Honu Eco Tech Services by filling out the contact us form on [honueco.com](http://honueco.com)

### AVAILABILITY

Worldwide.

### TECHNICAL SERVICES

For additional information including the Safety Data Sheet (SDS), Frequently Asked Questions, and Glossary please visit [honueco.com](http://honueco.com).

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### Typical Properties

Properties	
Product Code	HBFXT-160
Apearance	Dark Green to Black
Cone Penetration Unworked	310
Four Ball Wear Scar (mm)	0.4
Four Ball Weld Load (kg)	500
Dropping Point (°C)	199
Oil Separation	<5%
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	326
Base Oil Biodegradability – OECD 301	Pass
Base Oil Aquatic Toxicity – OECD 202	Non-Toxic
Base Oil Plant Toxicity - OECD 208	Non-Toxic

#### Biobased/Biodegradable/Non-Bio accumulative

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

The values quoted above are typical of normal production. They do not constitute a specification. Honu Eco 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. All risk and liability regarding use, conditions of use and handling of this product are assumed by the buyer and any user. 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, Honu Eco reserves the right to change the composition of its products without notice.