

HonuBio PPL

Plunger Packing Lubricant



Next Generation Sustainable Lubrication Technologies

PRODUCT NAME

HonuBio PPL

DESCRIPTION

HonuBio PPL is a readily biodegradable lubricant for the plunger packing in positive displacement reciprocating pumps, such as triplex and quintuplex pumps used in oil and gas hydraulic fracturing and cementing operations. It is formulated from renewable biobased resources and contains no mineral oil or toxic additives, thus reducing environmental impact associated with the handling and use of lubricants in these operations. Additionally, the blend of highly refined natural ester base oil and bio-based polymer in HonuBio PPL reduces friction compared to conventional mineral oil-based lubricants, which translates to less wear and extended packing life.

HonuBio PPL fluid is available in ISO grades 68, and 100.

FEATURES AND BENEFITS

- Helps ensure an effective seal between plunger and packing
- Excellent adhesion and resistant to wash-off
- Reduces friction and wear
- Readily biodegradable with minimal toxicity characteristics, reducing environmental impact
- Operator friendly

Industry

Construction equipment, government, mining & gas

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



PACKAGE SIZES

5 Gal Pails, 55 Gal Drums, 275 Gal Totes

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.

CAUTIONS

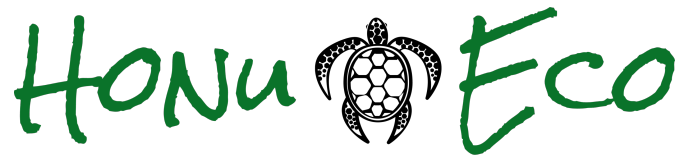
Ensure adequate ventilation. Do not breathe vapor/dust. Use personal protective equipment and avoid contact with skin, eyes, and clothing. Wash thoroughly after

AVAILABILITY

- Worldwide

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Typical Properties

Properties	ASTM Test	PPL 68	PPL 100
Product Code		HBPPL68	HBPPL100
ISO Grade		68	100
Specific Gravity	D 1298	0.91	0.91
Viscosity @40°C, cSt	D 445	68	100
Viscosity @100°C, cSt	D455	11.2	18.1
Viscosity Index	D 2270	>200	>200
Pour Point °C	D 97	-32	-34
Flash Point °C	D 92	316	315
Timken OK Load, lbs.	D 2509	>60	>60
Falex EP Fail Load	D 3233	3500	3500
Copper Corrosion	D 4048	1A	1A
Readily Biodegradable (meaning>60%)		Pass	Pass
Biodegradability	OECD 301B	>75	>75

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