TEKAMAN LUBE-TECHNOLOGY (YANGZHOU) CO.,LTD
Yuetang industry center, Yuetang town,Yizheng city, Jiangsu province, China
E-mail:tekaman@126.com
M +86 181 1822 4608

SMOOTHER WORLD BETTER LIFE

Technical Date Sheet

TEKAMAN LUBRICATION TECHNOLOGY

ALA-07-00 Grease

Product Introduction

This grease is formulated with semi-synthetic base oil and functional additives, solid-free to avoid pipeline and distributor clogging.
It is a green homogeneous semi-fluid grease with excellent low-temperature pumpability, high oxidation resistance and moderate oil separation.Specially designed for injection molding toggle joints and long thin pipeline lubrication, suitable for 700cc bellows cartridge filling.

Examples of Application

1. Dedicated for clamping toggle arm, connecting rod and pin shaft hinge points of all brands of injection molding machines.
2. Suitable for automatic centralized lubrication systems with slender pipelines and multiple lubrication points for long-distance delivery.
3. Ideal for low-temperature workshops and northern winter environments requiring high pumpability.
4. Not recommended for high-speed spindles and long-term loaded precision guide rails; shall not replace Grade 1# and 2# as general-purpose main lubrication grease.
Temperature Range: -25℃ ~ 160℃, short-term peak up to 170℃.

Features and benefits

- Excellent pumpability and fluidity: Semi-fluid characteristic ensures no solidification at low temperature, smooth oil supply for long and thin pipelines without pressure hold-up.
- Superior high-temperature oxidation resistance: Outstanding thermal stability, no deterioration, coking or carbon deposition under high-temperature working conditions.
- No pipeline blockage: Free of solid particles, no pump or pipeline distributor clogging during long-term circulating operation.
- Good water resistance and rust prevention: Excellent water splash resistance and demulsification performance; effectively protects steel and copper alloy components from corrosion in humid and dusty environments.
- Mild & eco-friendly odor: No pungent smell, comfortable for workshop application.

TESTING ITEMS	TYPICAL DATA	TESTING STANDARDS
NLGI Grade	00	NLGI Classification Standard
Appearance	Green homogeneous grease	Visual Inspection
Worked Penetration(25℃), 0.1mm	430	ASTM D217
Dropping Point, ℃	252	ASTM D2265
Kinematic Viscosity of Base Oil(40℃), mm²/s	163	ASTM D445
Cone Oil Separation(100℃,24h), %	3.0	ASTM D6184
Evaporation Loss(99℃,22h), %	1.4	ASTM D972
Water Spray Loss(38℃,1h), %	7.0	ASTM D2266
Copper Corrosion(100℃,24h)	Class 1b	ASTM D130
Four-ball Weld Load PD/N	2250	ASTM D2783

* 1.Filling Method: Suitable for 700cc bellows cartridge, automatic centralized lubrication system and manual grease gun filling. Specially used for toggle joint connecting rod and long-distance pipeline pumping conditions; not for long-term lubrication of heavy-duty spindles and precision guide rails.
2.Model Matching: Prefer ALA-07-00 for clamping hinge and toggle joint parts of all injection molding machines.
3.Compatibility Requirement: Do not mix with other types of lubricating grease. Clean old grease thoroughly before replacement.
4.Storage Condition: Store sealed in cool, dry and ventilated warehouse; avoid direct sunlight, rain and high-temperature stacking. Use up promptly after opening to prevent moisture deterioration.