

SMOOTHER WORLD BETTER LIFE

Technical Date Sheet

TKM HP2-0 Grease

Product Introduction

This product is refined with high-quality base oil and multi-functional compound additives, without solid filler, eliminating pipeline blockage risk. It is a green homogeneous soft grease with outstanding fluidity and pumpability, balanced anti-loss performance, excellent resistance to thinning at high temperature and fine stable texture. It is specially formulated for old low-speed equipment, low-pressure lubrication pumps and long pipeline oil supply conditions.

Examples of Application

1. Centralized lubrication for Nissei Injection Molding Machine (NC9000 System).
 2. Guide rail and bearing lubrication for old Haitian, ChenHsong and traditional hydraulic injection molding machines.
 3. Suitable for old equipment with low pump pressure and long pipelines requiring high pumpability.
 4. Low-speed bearings, slide rails and non-heavy load hinge points of general automation equipment.
- Temperature Range: -25°C ~ 160°C, short-term peak up to 170°C

Features and benefits

- Good pump adaptability: Soft consistency fits old low-pressure lubrication pumps; smooth oil supply for long pipelines without jamming.
- Stable high-temperature performance: Excellent heat and oxidation resistance; no thinning or loss during long-term medium and high-temperature operation.
- Moderate mechanical stability: Good shear and vibration resistance; stable grease state under normal load conditions.
- Long-term smooth pipeline: No particle precipitation; no blockage of oil circuits and lubrication accessories during long service.
- Good metal compatibility: No corrosion to cast iron, carbon steel and copper alloy parts; reliable rust protection in humid environment.

TESTING ITEMS	TYPICAL DATA	TESTING STANDARDS
NLGI Grade	0	NLGI Classification Standard
Appearance	Green homogeneous grease	Visual Inspection
Worked Penetration(25°C), 0.1mm	370	ASTM D217
Dropping Point, °C	255	ASTM D2265
Kinematic Viscosity of Base Oil(40°C), mm²/s	138	ASTM D445
Cone Oil Separation(100°C,24h), %	2.6	ASTM D6184
Evaporation Loss(99°C,22h), %	1.4	ASTM D972
Water Spray Loss(38°C,1h), %	6.2	ASTM D2266
Copper Corrosion(100°C,24h)	Class 1b	ASTM D130
Four-ball Weld Load PD/N	2250	ASTM D2783

- * 1. Filling Method: Suitable for 700cc bellows cartridge, centralized lubrication system and grease gun; dedicated for old hydraulic injection molding machines and Nissei low-speed models.
2. Model Matching: Prefer Grade 0# for old hydraulic machines with low pump pressure and long pipelines; not recommended for new full-electric injection molding machines and high-speed CNC to avoid high-temperature loss.
3. Compatibility Requirement: Do not mix with other greases; clean residual grease before replacement.
4. Storage Condition: Store sealed in cool and dry place; avoid high-temperature exposure and moisture absorption.



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