

SMOOTHER WORLD BETTER LIFE

Technical Data Sheet

TKM-4016B High temperature grease

Product Introduction

This product is manufactured by thickening high-viscosity mineral base oil blend with complex lithium soap, and adding high-quality antioxidant, rust inhibitor and extreme pressure (EP) anti-wear additives.

Examples of Application

- High-speed pulverizer bearing.
- Bearings for wood and stone crushers.
- Mine vibrating screen bearings.
- High-temperature, high-speed large motor bearings.
- Heavy-duty truck hub bearings.
- Bearings capable of withstanding high temperatures and high speeds.
- Roller and plain bearings
 - Operating temperature range: -20°C ~ 180°C.

Features and benefits

- Outstanding adhesive and cohesive properties.
- Exceptional protection against rust, corrosion, and wear.
- Superb mechanical stability of the thickener system.
- Good water resistance.
- Excellent extreme pressure and anti-wear performance.

NLGI grade	2	3	NLGI Classification
Appearance	Black	Black	Visual
Thickener type	Lithium complex	Lithium complex	--
Base fluid type	Mineral oi	Mineral oi	--
Kinematic Viscosity @40°C, mm²/s	320	320	ASTM D445
Worked Cone Penetration, 0.1mm	275	240	ASTM D217
Dropping Point, °C	275	280	ASTM D2265
Cone Oil Separation (100°C, 24h) , %	2.9	2.2	ASTM D6184
Four ball wear, 60 min @ 392 N, mm	0.6	0.6	ASTM D 2266
Four-Ball Welding Load (PD/N)	2452	2452	ASTM D2783
Four-Ball Welding Load (PB/N)	441	549	ASTM D2783
Water Washout Loss (38°C, 1h) , %	5.8	4.5	ASTM D2266
Copper Corrosion (100°C, 24h)	1b Class	1b Class	ASTM D130
Corrosion preventive properties (52°C, 48h)	Pass	Pass	ASTM D1743

* Instructions for use:

Do not mix with other types of lubricating grease to avoid structural damage and grease failure. Clean all old grease before application; the recommended fill volume for bearings is 1/3 ~ 1/2. All above typical data are laboratory values for reference only.



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