



SMOOTHER WORLD BETTER LIFE

Technical Data Sheet

TKM-RM Roll Bearing Grease

Service Temperature

-20 °C to +180 °C

Examples of Application

- Roll bearings in small/medium mills and roughing mills
- Intermediate and finishing mill roll bearings
- Roll bearings in straighteners and sizing mills
- Rolling mill gear couplings
- Rolling mill roller-table bearings

Features and Benefits

- ✓ Excellent extreme-pressure and anti-wear performance
- ✓ Excellent water washout resistance
- ✓ Good shear stability
- ✓ Good high-temperature stability
- ✓ Excellent corrosion protection

NLGI Grade	2	3	Test Method
Appearance	Blue	Blue	Visual
Thickener Type	Lithium Complex	Lithium Complex	/
Base Oil Type	Mineral Oil	Mineral Oil	/
Kinematic Viscosity (40 °C), mm ² /s	450	450	ASTM D445
Kinematic Viscosity (100 °C), mm ² /s	30	30	ASTM D445
Worked Penetration (25 °C), 0.1 mm	280	245	ASTM D217
Dropping Point, °C	278	286	ASTM D2265
Oil Separation (100 °C, 24 h), %	3.2	1.9	ASTM D6184
Water Washout (38 °C, 1 h), %	2.1	1.6	ASTM D1264
Apparent Viscosity (-10 °C, 10 s ⁻¹), Pa·s	600	1000	ASTM D1092
Copper Strip Corrosion (100°C, 24 h), Rating	1b	1b	ASTM D4048
Corrosion Preventive Properties (52 °C, 48 h)	Pass	Pass	ASTM D1743
Last Non-Seizure Load (PB), N	800	800	ASTM D2596
Weld Point (PD), N	3089	3089	ASTM D2596

Base oil viscosity. Worked penetration: 60 strokes. NLGI grading: ASTM D217.

Application Notes

- Select for actual bearing temperature, speed, load and grease supply. Confirm suitability before use.
- Set centralised grease feed and intervals to equipment requirements; check delivery to each lubrication point.
- Remove old grease or confirm compatibility before changing. Avoid mixing different thickener systems.
- Store in a cool, dry and clean place, protected from moisture and contamination. Use promptly after opening.

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Safety Data Sheet (SDS) are followed. The SDS is available upon request. Do not use this product for purposes other than the intended application. Take care to protect the environment when disposing of used product.