



SMOOTHER WORLD BETTER LIFE

Technical Data Sheet

TKM-CC Continuous Casting Grease

Service Temperature

-20 °C to +200 °C

Examples of Application

- Mold bearings
- Roll bearings in curved sections and segments
- Withdrawal and straightening unit bearings
- Ladle turrets
- Conveyor roller bearings

Features and Benefits

- ✓ Water washout resistance
- ✓ Polyurea thickener system
- ✓ Available in NLGI grades 1 and 2
- ✓ Extreme-pressure load-carrying performance
- ✓ Rust and corrosion protection

NLGI Grade	1	2	Test Method
Appearance	Yellow	Yellow	Visual
Thickener Type	Polyurea	Polyurea	/
Base Oil Type	Mineral Oil	Mineral Oil	/
Kinematic Viscosity (40 °C), mm ² /s	320	320	ASTM D445
Kinematic Viscosity (100 °C), mm ² /s	26	26	ASTM D445
Worked Penetration (25 °C), 0.1 mm	325	280	ASTM D217
Dropping Point, °C	276	281	ASTM D2265
Oil Separation (100 °C, 24 h), %	3	2	ASTM D6184
Evaporation Loss (150 °C, 1 h), %	1.9	1.2	SH/T 0337
Water Washout (38 °C, 1 h), %	3	2	ASTM D1264
Apparent Viscosity (-10 °C, 10 s ⁻¹), Pa·s	653	873	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	3150	3150	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.