



SMOOTHER WORLD BETTER LIFE

Technical Data Sheet

TKM-S Sintering Machine Slideway Sealing Grease

Service Temperature

-20 °C to +180 °C

Examples of Application

Primarily for lubricating and sealing sintering machine slideways and floating seal plates.

May also suit other high-temperature, low-speed metal sliding surfaces, such as metallurgical slide plates and guides, subject to confirmation of temperature, load and grease supply conditions.

Features and Benefits

- ✓ Excellent high-temperature stability
- ✓ Excellent sealing and air-leakage resistance
- ✓ Good water resistance
- ✓ Good pumpability
- ✓ Good anti-wear performance

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	400	400	ASTM D445
Kinematic Viscosity (100 °C), mm ² /s	26	26	ASTM D445
Worked Penetration (25 °C), 0.1 mm	310	275	ASTM D217
Dropping Point, °C	250	270	ASTM D2265
Oil Separation (100 °C, 24 h), %	2.5	1.5	ASTM D6184
Water Washout (38 °C, 1 h), %	2.0	1.9	ASTM D1264
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	600	600	ASTM D2596
Weld Point (PD), N	2450	2450	ASTM D2596
Wear Scar Diameter (WSD) (75 °C, 392 N, 60 min), mm	0.6	0.6	ASTM D2266

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

Application Notes

- Clean slideway sealing surfaces and remove old grease and contaminants as specified by the equipment manufacturer.
- Set grease quantity and replenishment intervals according to equipment requirements and operating conditions. Inspect the seal regularly.
- Confirm compatibility before changing greases. A compatibility test is recommended before bulk application.
- Store in a cool, dry and clean place, protected from moisture and contamination. Use as soon as possible 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.