



SMOOTHER WORLD BETTER LIFE

Technical Data Sheet

TKM-80

Low Noise Bearing Grease

Recommended Temperature

-30 °C to +180 °C

Examples of Application

- Bearings in small, medium and industrial motors
- Rolling bearings in fan and blower motors
- Bearings in pumps and their drive motors
- Sealed bearings requiring quiet operation
- Rolling bearings exposed to temperature changes
- Lubrication points requiring NLGI 2 or 3

Features and Benefits

- ✓ Polyurea and semi-synthetic oil; NLGI 2 and 3
- ✓ Base oil viscosity at 40 °C: 80 mm²/s
- ✓ Designed for low-noise rolling bearing lubrication
- ✓ Cold starts and elevated-temperature lubrication
- ✓ Oil separation control and sustained film supply
- ✓ Water washout, rust and corrosion protection

NLGI Grade	2	3	Test Method
Appearance	Uniform grease	Uniform grease	Visual
Thickener Type	Polyurea	Polyurea	/
Base Oil Type	Semi-Synthetic Oil	Semi-Synthetic Oil	/
Base Oil Kinematic Viscosity (40 °C), mm ² /s	80	80	ASTM D445
Worked Penetration (25 °C), 0.1 mm	270	250	ASTM D217
Dropping Point, °C	265	270	ASTM D2265
Oil Separation (100 °C, 24 h), %	1.2	0.9	ASTM D6184
Water Washout (79 °C, 1 h), %	2	2	ASTM D1264
Copper Strip Corrosion (100 °C, 24 h)	Pass	Pass	GB/T 7326
Corrosion Preventive Properties (52 °C, 48 h)	Pass	Pass	ASTM D1743
Noise Level (6205 Bearing), dB Requirement: max. 32	28	28	S09101A
Low Temperature Torque (-30 °C), Starting, N·m	0.514	0.751	ASTM D1478
Low Temperature Torque (-30 °C), Running, N·m	0.054	0.076	ASTM D1478

Application Notes

- Select consistency for bearing size, speed, load and temperature. Follow equipment instructions for fill quantity and relubrication.
- Keep bearings and filling tools clean. Apply the required quantity evenly; check temperature, noise and operation during initial use.
- Clean lubrication points and check compatibility before changing grease. Prevent water, moisture and contamination; dispose of used grease properly.

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.