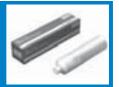
THK Original Grease

AFE-CA Grease

- Base oil: high-grade synthetic oil
- Consistency enhancer: urea-based



AFE-CA Grease uses urea as a consistency enhancer and a high-grade synthetic oil as the base oil. It has low dust generative characteristics and is therefore a suitable grease for clean room environments.

[Features]

- (1) Low dust generation
 - Compared with vacuum greases in conventional use, AFE-CA Grease generates less dust and therefore is ideal for use in clean rooms.
- (2) Long service life

Unlike ordinary soap based grease for metal lubrication, AFE-CA Grease excels in antioxidation stability and therefore can be used for a long period of time. As a result, maintenance work is reduced.

[Representative Physical Properties]

Item		Represen- tative value	Test method
Consistency enhancer		Urea- based	
Base oil		high-grade synthetic oil	
Base oil kinematic viscosity: mm²/s (40°C)		99	JIS K 2220 23
Worked penetration (25°C, 60W)		280	JIS K 2220 7
Mixing stability (100,000 W)		310	JIS K 2220 15
Dropping point °C		260	JIS K 2220 8
Evaporation amount: mass% (99°C, 22h)		0.1	JIS K 2220 10
Oil separation rate: mass% (100°C, 24h)		0.1	JIS K 2220 11
Copper plate corrosion (B method, 100°C, 24h)		Accepted	JIS K 2220 9
Low temperature torque: N-m (-20°C)	Start	130	JIS K 2220 18
	(revolutions)	76	
4-ball testing (burn-in load): N		1236	ASTM D2596
Service Temperature Range °C		-40 to 180	
Color		Light yellowish brown	

Lubrication

AFE-CA Grease

[Test Data on Low Dust Generative Characteristics]

• Test Data on AFE-CA Grease (Comparison of Particle Accumulation)

The test data in the figure compares the results of particle accumulation testing on this product and other greases.

