

THK Original Grease

AFE-CA Grease

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



AFE-CA grease uses high-grade synthetic oil as its base and a urea-based grease as its consistency enhancer. This ensures it produces very little dust, making it ideal for use in clean environments.

[Features]

(1) Low dust generation

This grease generates the least amount of dust among all THK low dust-generating grease products. Contains zero metallic elements, making it ideal for use in semiconductor-related fields.

[Representative Physical Properties]

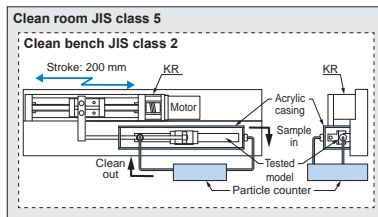
Item	Representative value	Test method
Consistency enhancer	Urea-based	
Base oil	High-grade synthetic oil	
Base oil kinematic viscosity: mm ² /s (40°C)	99	JIS K 2220 23
Worked penetration (25°C, 60 W)	280	JIS K 2220 7
Mixing stability (100,000 W)	310	JIS K 2220 15
Dropping point: °C	260	JIS K 2220 8
Evaporation amount: mass% (99°C, 22 h)	0.1	JIS K 2220 10
Oil separation rate: mass% (100°C, 24 h)	0.1	JIS K 2220 11
Copper plate corrosion (B method, 100°C, 24 h)	Accepted	JIS K 2220 9
Low-temperature torque: mN·m (-20°C)	Starting	JIS K 2220 18
	Rotational	
4-ball testing (welding load): N	1236	ASTM D2596
Service temperature range: °C	-40 to 180	
Color	Light yellowish brown	

[Low Dust-Generating Performance Test Data]

● AFE-CA Grease Test Data (Comparison of Dust Generation)

Test conditions

Item	Description
Tested model	SSR20XW1+280L
Grease quantity	1.2 cm ³ (initial lubrication only)
Amount of air supplied	0.3 L/min
Feeding speed	500 mm/s
Stroke	200 mm



Testing device

