

THK Original Grease

L100 Grease

- Base oil: high-grade synthetic oil
- Consistency enhancer: lithium complex-based



L100 grease uses high-grade synthetic oil as its base and lithium complex-based grease as its consistency enhancer, while also featuring special additives. It also produces little dust and boasts excellent extreme pressure resistance to a degree not found in standard low dust-generating greases. This makes it ideal for use in clean rooms.

Note: This product cannot be used in Europe.

[Features]

(1) Low dust generation

It demonstrates the same low dust-generating performance as our previous low dust-generating grease, making it ideal for use in clean rooms.

(2) Extreme pressure resistance

The action of the additives and base oil (which is suitable for withstanding loads) gives it extreme pressure resistance three times greater than our previous low dust-generating grease.

[Representative Physical Properties]

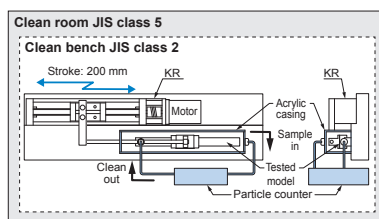
Item	Representative value	Test method
Consistency enhancer	Lithium complex-based	
Base oil	High-grade synthetic oil	
Base oil kinematic viscosity: mm ² /s (40°C)	198	JIS K 2220 23
Worked penetration (25°C, 60 W)	294	JIS K 2220 7
Mixing stability (100,000 W)	312	JIS K 2220 15
Dropping point: °C	260	JIS K 2220 8
Evaporation amount: mass% (99°C, 22 h)	0.1	JIS K 2220 10
Oil separation rate: mass% (100°C, 24 h)	0.8	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	3922	ASTM D2596
Service temperature range: °C	−40 to 150	
Color	Yellow	

[Low Dust-Generating Performance Test Data]

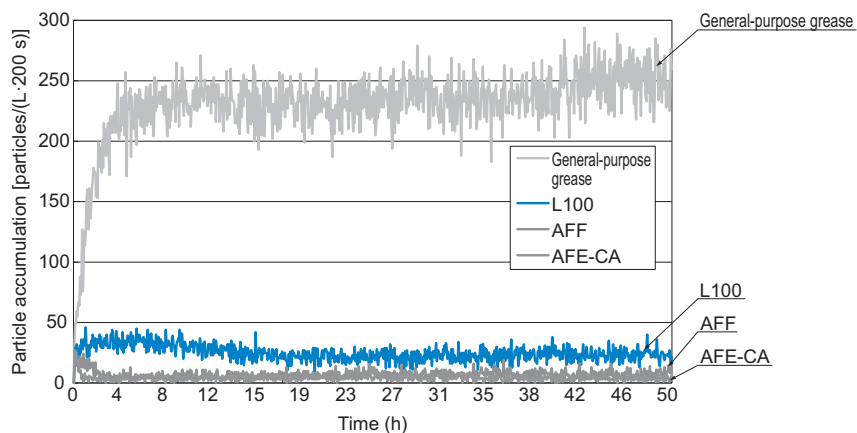
● Comparison with other THK greases

Test conditions

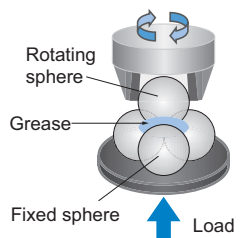
Item	Description
Tested model	SSR20XW1
Grease quantity	1.2 cm ³ (initial lubrication only)
Amount of air supplied	0.3 L/min
Feeding speed	500 mm/s
Stroke	200 mm



Testing device



[Extreme Pressure Resistance]



Testing apparatus

