

## 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.

\* 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]

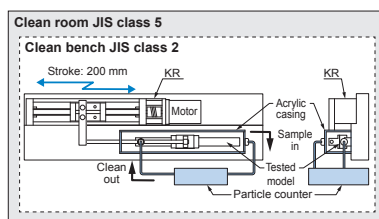
Item		Representative value	Test method
Consistency enhancer		Lithium complex-based	
Base oil		High-grade synthetic oil	
Base oil kinematic viscosity: mm <sup>2</sup> /s (40°C)		198	JIS K 2220 23
Worked penetration (25°C, 60 W)		294	JIS K 2220 7
Mixing stability (100,000 W)		312	JIS K 2220 15
Dropping 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	94	JIS K 2220 18
	Rotational	29	
4-ball testing (welding load): N		3922	ASTM D2596
Service temperature range: °C		−40 to 150	
Color		Yellow	

## [Low Dust-Generating Performance Test Data]

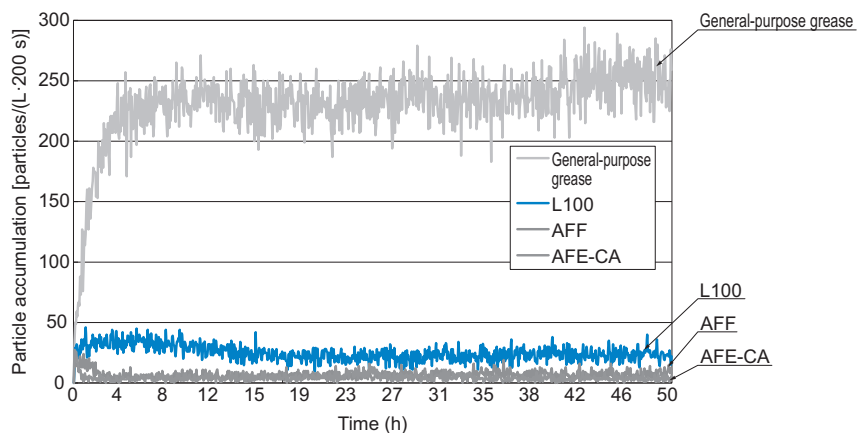
### ● Comparison with other THK greases

Test conditions

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



Testing device



## [Extreme Pressure Resistance]

