

## Low particle generating KURODA S-Grease

S-Grease meets the needs for environments requiring low particle generation in equipment such as semiconductor manufacturing machines, liquid crystal devices and medical equipment.

### Features

- Suitable for clean environments
- Excellent lubrication performance
- Torque stabilization
- Excellent rust prevention

### Model No.

**S1-080G-J** (supplied in a 80 g bellows-shaped container)

**S1-400G-J** (supplied in a 400 g bellows-shaped container)

\* For containers (cans, etc.) other than the above containers, contact KURODA.

\* The color of the bellows-shaped container for KURODA S-Grease is chocolate brown.

### Main properties

Appearance	Yellow white
Thickener	Urea
Base oil	Mineral oil
Consistency	280 (No.2)
Operating temperature range	-20 to +150°C

### ⚠️ Precautions when handling

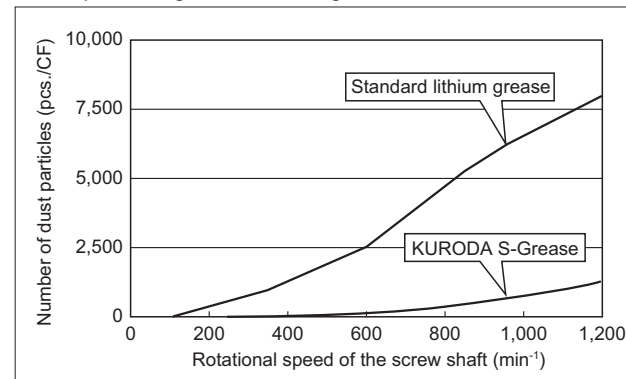
Before using C-Grease, carefully read the precautions on the "Safety Data Sheet" (SDS) of the corresponding grease type. For the "Safety Data Sheet", request to the distributor from whom you purchased the product.

Main applications	KURODA S-Grease
⚠️ Caution Precautions when handling	<ul style="list-style-type: none"> <li>◆ S-Grease is flammable (flash point: 195°C). Keep away from flame.</li> <li>◆ Use protective glasses when handling. If it enters your eye, irritation may occur.</li> <li>◆ Use protective gloves when handling. If it touches your skin, irritation may occur.</li> <li>◆ Do not eat. (If you eat it, you will suffer from diarrhea and vomiting.)</li> <li>◆ Keep away from children.</li> <li>◆ After use, seal thoroughly to prevent intrusion of dirt or water.</li> </ul>
Emergency measures	<ul style="list-style-type: none"> <li>◆ If it enters your eye, wash the eye with clean water for over 15 minutes and consult a doctor.</li> <li>◆ If it touches your skin, fully wash with soap and water.</li> <li>◆ If swallowed, do not induce vomiting. Immediately consult a doctor.</li> </ul>
Disposal of waste oil and waste container	◆ For disposal, take the appropriate measures according to the "Waste Management and Public Cleansing Act".
Storage	◆ Avoid direct sunlight, keep away from fire or heat and store in a dark place.

## Performance data

### ■ Reduced particle generation

- Compared to general lithium grease, S-Grease exhibits a superior dust prevention property.

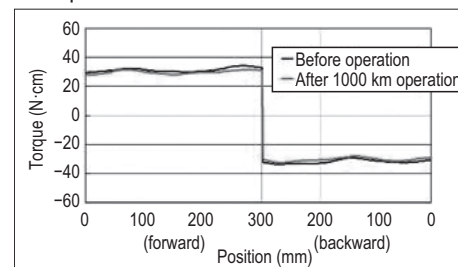


Test conditions	
Screw shaft diameter	ø20 mm
Lead	20 mm
Axial load	800 N

### ■ Lubrication performance: Comparison of changes in torque values before and after operation

Test conditions	
Screw shaft diameter	ø20 mm
Lead	20 mm
Preload torque	30 N·cm

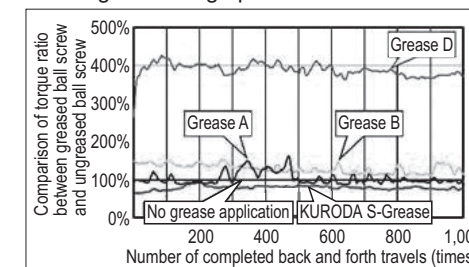
- After 1000 km operation, no change of torque is found.



### ■ Torque: Comparison of torque values of low particle-generating grease types

Test conditions	
Screw shaft diameter	ø16 mm
Lead	2 mm
Operating stroke	0.5 mm

- The torque stabilization feature is exhibited during oscillating operation.



### ■ Rust prevention

- Received a #1 rating in rust prevention after conducting the bearing rust prevention test (52°C, 48 hours)

\* #1 indicates that no rust formed under the above test conditions.