

G-330

Silicone Grease

■ Features & Advantages

- This product is a highly tacky silicone grease which exhibits little change in torque values due to changing temperatures.
- This product has medium shear resistance (torque).
- When applied to sliding and rotating parts in a variety of equipment, this product provides a superior damping effect because of its high tackiness.

■ Applications

- Damper for sliding and rotating parts in a variety of equipment

■ General Properties

Parameter	Values	Standard method / condition
Appearance	White grease	
Specific gravity 25°C	1.15	
Consistency 25°C/unworked	285	JIS K2220 Test method
Oil separation 105°C × 24h %	0.01	
Torque After 50 turns N·m × 10 ⁻⁴ *	23	
Use temperature range °C	-30 to +150	
Volatile content 105°C × 24h %	0.05	
Low-molecular-weight siloxane content Σ D3-D10 ppm	≤ 100	

(Not specified values)

* Torque meter: Torque Tester MDT2-AMP made by Shinmei Electric.

The sample is applied evenly to the shift (4 mm DIA, 8 mm) and in the bearing clearance (35 μm).

The shaft is then turned 50 times (1 turn = 360°) by hand at a rate of 1 turn per second.

After 50 turns, the sample is loaded into the torque meter and the torque value is measured after rotation at 10 rpm for 1 minute.

This value is taken as the test value.

-
- | | |
|--------------------|-------------------------------------------------------|
| ■ Packaging | 100g (glass bottle), 1kg (round can), 15kg (pail can) |
|--------------------|-------------------------------------------------------|
-
- | | |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ■ Handling Precautions | <ol style="list-style-type: none">1. Store in a cool and dark place. Avoid direct sun light.2. After prolonged storage, oil may have separated, but it does not mean there is a problem with the product. Stir the product well before using.3. As a general rule it is best to completely use up the product once the container has been opened. If any remains, be sure to seal completely.4. Before applying the product to the intended area, clean and dry the area thoroughly.5. Do not mix these products with other oils or greases. |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
-
- | | |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ■ Safety and Hygiene | <ol style="list-style-type: none">1. Wear gloves and other protective gear when using these products.2. If product gets on the hands or other exposed skin, wipe off with a dry cloth and then wash thoroughly with soap and water. In case of eye contact, immediately flush eyes with plenty of running water, and consult a physician if necessary.
Contact lens wearers must be careful to avoid contact with lenses. If it comes into contact with the lens, the contact lens may become stuck to the eye.3. Be sure there is adequate ventilation when handling these products at the time of heating in particular. Avoid handling in a poorly ventilated area causing inhalation of vapors. If you feel ill after breathing in the vapors, move immediately to an area with fresh air.4. Keep out of reach of children.5. If product spills on the floor, it will become slippery. After wiping product up with a cloth, spread sand or other absorbent material, then wipe again to remove product completely.6. Be sure to read the Safety Data Sheets (SDS) for these products before use.
SDS are available from the Shin-Etsu Sales Department. |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
-

■ UN No.	N/A
----------	-----

■ UN Classification	N/A
---------------------	-----

Warning to users

- The data and information presented in this document may not be relied upon to represent standard values. Shin-Etsu reserves the right to change such data and information, in whole or in part, in this document, including product performance standards and specifications without notice.
- Users are solely responsible for making preliminary tests to determine the suitability of products for their intended use. Statements concerning possible or suggested uses made herein may not be relied upon, or be construed, as a guaranty of no patent infringement.
- The silicone products described herein have been designed, manufactured and developed solely for general industrial use only; such silicone products are not designed for, intended for use as, or suitable for, medical, surgical or other particular purposes. Users have the sole responsibility and obligation to determine the suitability of the silicone products described herein for any application, to make preliminary tests, and to confirm the safety of such products for their use.
- Users must never use the silicone products described herein for the purpose of implantation into the human body and/or injection into humans.
- Users are solely responsible for exporting or importing the silicone products described herein, and complying with all applicable laws, regulations, and rules relating to the use of such products. Shin-Etsu recommends checking each pertinent country's laws, regulations, and rules in advance, when exporting or importing, and before using the products.
- Please contact Shin-Etsu before reproducing any part of this document.

G-330