G-40M

Silicone Grease

■ Features & Advantages

- This product is a silicone grease which can be used in a wide range of temperatures and is used primarily for moving parts to provide lubrication.
- Excellent lubrication at high temperatures
- The most appropriate for lubrication of sealed bearings

■ Applications

- Lubrication of moving parts
- Lubrication of sealed bearings

■ General Properties

Parameter	Values	Standard method / condition
Appearance	Beige grease	
Specific gravity 25℃	1.05	
Consistency 25℃/worked	240 - 280	JIS K2220 Test method
Drop point ℃	200+	
Oil separation 150℃×100h %	5.9	
Oxidative stability 150℃×50h*1 kPa	10	
Moisture resistance %	1	
Worked stability 100,000 strokes	360(max.)	
Low-temperature torque(Starting/Running) -20℃ mN m	83/46	
Low-temperature torque -20℃ 2,000 g-cm	Less than 5 sec.	MIL-L15719A
Free acid or free alkali	Neutral	BTB
Use temperature range ℃	-30 to +200	
Volatile content 150℃×100h %	0.3	
Low-molecular-weight siloxane content ΣD3-D10 ppm	≦100	

(Not specified values)

*1 The oxidative stability test conditions prescribed in JIS K 2220 indicate 99℃×100 h, but in this case measurement was done at 150℃×50 h.

* G-40 greases are suitable for speed factors (bearing bore in mm bearing shaft speed in rpm) up to 200,000.

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■ Packaging	100g (tube), 1kg (round can), 20kg (pail can)

■ Handling Precautions

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

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.

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■ UN No.	N/A
■ UN classification	N/A

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