



Aerolube Technologies



Technical Data Sheet

Siltech 641 Silicone Grease for Lubrication at High Temperatures and Low Speeds

Applications

For lubrication of roller bearings at very high temperatures and low speeds such as bearings in furnace trolleys, core oven carts, pumps transferring molten metal salt, plastic processing machinery, oven conveyors, induced draft fans. Use successfully for lubrication of governor linkages of steam turbines, ball and socket connections of power insulators, switchgears, contacts, knife type power disconnect switches.

Benefits

- Extremely wide service temperature range of -20°C to +290°C
- Exceptionally good oxidation resistance
- Non melting and does not thin out at high temperatures
- Stable, chemically inactive and inherently more inert than petroleum based products
- Resistant to ageing, water, moisture, steam, humidity and corrosive environments
- Low evaporation and does not volatilize at higher temperatures

Directions for Use

Use as supplied. Never dilute or mix with other oil or grease. Apply on all clean sliding surfaces by normal greasing methods i.e. by brush, grease gun or dispense via centralized lubrication systems.

General

Use in well ventilated areas. Avoid continuous breathing of vapor and spray mist. In closed areas or areas with poor ventilation, use respiratory protection. For complete details on safety, short and long term exposure, refer to this product's safety data sheet (SDS).

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Siltech 641 Silicone Grease for Lubrication at High Temperatures and Low Speeds

TECHNICAL PROPERTIES

| Parameter | Value | Unit | Standard |
|---|---|-------------------|------------|
| Type | Special silicone oil and inorganic thickener based grease | | |
| Appearance | Smooth grease | | |
| Base oil | Silicone | | |
| Thickener | Inorganic | | |
| Color 1 | Black | | |
| Penetration, worked | 260-300 | mm/10 | ASTM D 217 |
| NLGI consistency | ~ 2 | Class | DIN 51 818 |
| Density, @ 25°C | 1.15 | g/cm ³ | |
| Drop point | None | °C | ASTM D 566 |
| Service temperatures | -20 to +290 | °C | |
| Speed, Max DN Value ² | 75,000 | mm min | |
| Bleed, 24h @ 200°C | 5 | % | |
| Oil separation, standard test, 168 h, 40° C | <3 | % | DIN 51 817 |
| Oxidation resistance, 100 h, 99 °C, pressure drop | 0.4 | bar | DIN 51 808 |

1. Minor color variation of the same product but of different batches could be possible. However the lubrication values remain unchanged.
2. Dn value = Bore size in mm x rpm. This value will vary depending upon load, temperature and type of bearing.

Available Packaging

1 Kg

Shelf Life

36 months from date of manufacture in sealed condition.

Disposal

All used and unused product should be disposed of in accordance with state regulations.

Handling

Read instructions on the container label of the product before use. The product safety data sheet (SDS) contains the relevant information regarding personal protective equipment, safe use, physical and health hazards. Safety data sheet is available from Aerolube or your local Aerolube distributor.

Limited Warranty

The information and data contained in this sheet is accurate to the best of our knowledge or is obtained from sources, tests or experiences believed by us to be reliable and accurate. User is responsible for determining whether recommended Stanvac product is fit for a particular purpose. All products should be tested for suitability on a particular application prior to actual use. We make no representations of any kind. Data offered without warranty. Product manufactured is for industrial use only.

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