

**RoHS
Compliant**

Description:

ESIL100GF is a general purpose silicone grease formulated with high quality silicone oil and silica thickener. It has a wide operating temperature range combined with good lubricating and excellent dielectric properties. Being a silicone based material it has excellent water repellent properties and good adhesion.

Features:

- Conforms to DEF STAN 68-69
- Excellent lubrication properties
- Good electrical properties
- Excellent oxidation stability
- Excellent water repellent
- Safe on most plastics
- Non-toxic
- Odourless

Specifications:

| | |
|----------------------------------|---|
| Dispensing Method | : Tube |
| Weight | : 100g |
| Approval Category | : DEF STAN 68-69 |
| Colour | : Opaque |
| Dielectric Strength | : 21V/m |
| Lubricant Applications | : Electrical / Industrial / Mechanical |
| Operating Temperature | : -50°C to +200°C |
| Colour | : Opaque |
| Density at 20°C | : 0.967g/cm ³ |
| Volume Resistivity at 20°C (1) | : $1 \times 10^{14} \Omega \cdot \text{cm}$ |
| Volume Resistivity at 20°C (2) | : $1.4 \times 10^{12} \Omega$ after 72 hours at 150°C |
| Thermal conductivity | : 0.14W/mK |
| Penetration un-worked (ASTM 127) | : 190-250tenths/mm |
| Oil bleed, 7 days at 40°C | : 3.7% |
| Coefficient of thermal expansion | : $7 \times 10^{-4} \text{ K}^{-1}$ |

Shelf Life:

4 years from date of manufacture when stored unopened in the original packaging in a cool (15-20°C), dry well ventilated area avoiding direct sunlight.

Part Number Table

| Description | Part Number |
|---------------------------|-------------|
| Grease Silicone 100g Tube | PPC114 |

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