

Silicone Grease

ESIL100GF



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

Health & Safety

Please refer to Material Safety Data Sheet (MSDS).

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.

Technical Properties

Typical Properties:

Colour	Opaque
Density at 20°C	0.967 g/cm ³
Working temperature range	-50°C to 200°C
Dielectric strength	21kV/mm for 1 minute
Volume Resistivity at 20°C (1)	1.0 x 10 ¹⁴ Ω.cm
Volume Resistivity at 20°C (2)	1.4 x 10 ¹² Ω after 72 hours at 150°C
Thermal conductivity	0.14W/mK
Penetration un-worked (ASTM 127)	190-250 tenths/mm
Oil bleed, 7 days at 40°C	3.7%
Coefficient of thermal expansion	7 x 10 ⁻⁴ K ⁻¹

Approvals

RoHS Compliant

