



ENGLISH

Datasheet

# RS Pro Silicone Grease 100 g Tube

RS Stock No: 494-124



RS Pro general purpose silicone grease, that has low volatility and suitable for wide operating temperature range. Has high insulating and water-repellent properties, good thermal conductivity and is a reasonable mechanical lubricant. This electrical insulating compound can be used as a seal and lubricant for various equipment such as cable connectors, battery terminals, switches etc. Acting as a moisture proof seal for aircraft, automotive and marine ignition systems. The technical properties the grease meet the requirements of DEF STAN 68-69

## Features & Benefits

- Silicone grease is a water repellent, non-melting silicone grease lubricant
- Commonly used to lubricate plastic and polythene water pipes, rubber washers and other fluid pipework during assembly
- Working temperature range is between -50°C to 200°C
- This item is non-toxic
- Acting as waterproof or air tight seal

## Product Application Information

A mechanical lubricant that also acts as a moisture seal for aircraft, automotive and marine ignition systems. Easy to use and adheres readily to dry metals, ceramics, rubber, plastics and insulating resins.

Non-toxic

Safe on most plastics

High dielectric strength

Excellent lubrication properties

## Typical Properties:

Colour	Opaque
Density@ 20o C	0.967 g/cm <sup>3</sup>
Working temperature range	-50°C to 200 °C
Dielectric strength	21kV for 1 minute
Volume resistivity @ 20o C	1 x 10 <sup>14</sup> Ω.cm

Volume resistivity @20o C after 72 hours @ 150o C	1.4 x 10 <sup>12</sup> Ω.cm
Thermal conductivity	0.14W/m K
Penetration un-worked (ASTM 127)	190-250 tenths/mm
Oil bleed, 7 days @ 40o C	3.7%
Coefficient of thermal expansion	7 x 10 <sup>-4</sup> K <sup>-1</sup>

**Approvals RoHS-2 Compliant (2011/65/EU): Yes**

## Specifications

Attribute	Value
Package Type	Tube
Grease Type	Silicone
Package Size	100 g
Product Form	Grease
Minimum Operating Temperature	-50°C
Maximum Operating Temperature	+200°C
Colour	Colourless