



**Aerolube Technologies**



### Technical Data Sheet

## **Siltech 604 Dielectric, Non-Melting Silicone Grease for Insulation and Protection from Moisture of Electrical parts**

### Applications

- As a moisture proof seal and protective barrier coating on high tension electrical connections of all electronic, electrical, industrial, marine, aircraft, automotive equipment for providing greater resistance to tracking and effects of corona discharges
- As a dielectric seal cum lubricant for switches, cables, cable connectors, high voltage insulators, battery terminals, plastic and rubber parts, bushings, electrical insulations, spark plugs, disconnection junctions, ignition systems to prevent formation of a conducting film of water, eliminate risk of flashovers, minimize electrical leakage and prevent ingress of moisture
- For all electrical fittings exposed to marine environments to protect from salt-water corrosion, oxidation, moisture penetration, reduce maintenance and increase wear life of equipment
- As a protective coating on insulators and bushings in chemical plants to protect them from chemical fumes, vapors and gases
- As an assembly lubricant for various metal-plastic and metal-rubber pairings
- On to surfaces of ceramics, metals, insulating materials to impart high surface resistivity

### Benefits

- Wide service temperature range from -40°C to +200°C
- Moisture resistant and excellent water repellency qualities prevent formation of conducting water film
- High degree of resistance to salt spray, humidity and corrosives
- High dielectric strength
- Chemically inert
- Very low volatility
- Very good thermal and oxidation stability
- Consistency is largely independent of temperature and maintains its grease like consistency at high temperatures
- Nontoxic, non-volatile, non-melting and odorless
- Compatible with plastic, rubber and metal pairings
- Very good adhesion on all metals, glass, plastic, ceramic, rubber substrates

### Directions for Use

Use as supplied. Never dilute or mix with other oil or grease. Apply by means of hand, brush or putty knife. Can also be dispersed in solvents like mineral spirits, xylene or methyl ethyl ketone for thinning the consistency and making it easier to apply by brushing, dipping or spraying. Do not mix with other oils or grease.

### 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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### TECHNICAL PROPERTIES

Parameter	Value	Unit	Standard
Type	Silicone grease like compound		
Appearance	Smooth translucent grease		
Base oil	Silicone		
Thickener	Inorganic thickener		
Color <sup>1</sup>	Light gray, white		
Penetration, unworked	220	mm/10	ASTM D 217
Penetration, worked, 60	310	mm/10	ASTM D 217
NLGI consistency	2	Class	DIN 51 818
Density, @ 25°C	1	g/cm <sup>3</sup>	
Drop point	None	°C	ASTM D 566
Service temperatures	-40 to +200	°C	
Evaporation loss, 24h, 200°C	1.5		
Bleed, 24h, 200°C	4.5		DIN 51 817
Dielectric strength	9 minimum	kV/mm	IS 7648 Type A
Arc resistance	120	seconds	

1. Minor color variation of the same product but of different batches could be possible. However the lubrication values remain unchanged.

### Available Packaging

1 Kg, 5 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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