



Aerolube Technologies



Technical Data Sheet

**Siltech 655 Silicone Grease for Rubber to Metal
Lubrication and Sealing of Dynamic O-Rings
Primarily in Pneumatic Systems**

Applications

Primarily designed to provide a controlled rubber swell and ensure that rubber connections such as O-rings and seals in pneumatic systems form tight seals.

Its wide operating temperature, resistance to oxidation, corrosion and hydrolytic stability make it ideally suited for dynamic between rubber and metal parts in pneumatic systems of all aviation, industrial and automotive equipment.

Benefits

- Extremely wide service temperature range of -65°C to +175°C
- Exceptionally good oxidation resistance
- High shear stability
- Swells rubber to a controlled degree for better sealing effect
- Resistant to ageing, water, moisture, steam, humidity and corrosive environments
- Low evaporation and bleed characteristics
- Excellent resistance to oxidation
- Safe for use on metal, plastic and rubber components

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. Check compatibility with plastics prior to use.

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).

Available Packaging

100 gms, 1 Kg

Shelf Life

36 months from date of manufacture in sealed condition.

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TECHNICAL PROPERTY

Parameter	Value	Unit	Standard
Type	Synthetic silicone grease		
Appearance	Smooth grease		
Base oil	Silicone / Ester		
Thickener	Lithium soap		
Color 1	Tan		
Penetration, worked	265-295	mm/10	ASTM D 217
NLGI consistency	2	Class	DIN 51 818
Density, @ 25°C	0.95-0.98	g/cm ³	
Drop point	+215	°C	ASTM D 566
Service temperatures	-65 to +175	°C	
Copper strip corrosion	1a, pass		ASTM D 130
Water resistance, static evaluation	0-90		DIN 51 807 pt.1
Bleed, 24h. 150°C	3	%	
Evaporation, 24h. 150°C	1.5	%	
Oxidation resistance, 100 h, 99 °C, pressure drop	0.1	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.

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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