



**Aerolube Technologies**



### Technical Data Sheet

## **5007 Solid Lubricants in Synthetic Non Carbonizing Oil Carrier**

### Applications

- At temperatures exceeding +200°C, the synthetic carrier base oil volatilizes and evaporates cleanly without any residue to leave behind solid lubricants that provide dry lubrication up to +450°C and even higher up to +630°C in inert areas making it suitable for providing high temperature, dry film lubrication for bearings and sliding metal surfaces under low speeds and high loads.
- Compatible synthetic carrier oil with O-rings, seals, rubber and plastic components and is suitable for providing lubrication to such components that are otherwise affected by mineral oil based formulations.
- High temperature lubrication of conveyor rollers, joints, chains, pins, bushes, rollers, furnace door hinges, conveyors, linkages, slides, roller and sliding bearings of foundry ladles, convertor bearings, blowers, kiln and furnace bearings in steel manufacturing plants, glass works, ceramic plants, hot rolling mills.
- For use as a permanent lubricant, anti seize, assembly and running-in paste for equipment subjected to high temperatures.

### Benefits

- Extremely wide service temperature range of -40°C to +450°C
- Non-carbonizing synthetic carrier oil evaporates at elevated temperatures
- Low coefficient of friction
- Prevents metal-to-metal contact
- Protects surfaces from friction and wear
- Capable of enduring very high loads
- Compatible with rubber, seals and packing material

### Directions for Use

Clean and degrease the surface prior to application. Rub in a thin uniform film of this paste with a hard brush or cloth on contact surface. Remove any excess. Clean the roller bearing surface with a solvent. Apply a very thin layer of this paste between roller bearing contact points and rotate the bearing to form a uniform, thin lubricating film. Use sparingly and not in excess as is customary with greases. Do not mix with other oils or grease.

### Available Packaging

1 kg

### Shelf Life

60 months from date of manufacture in sealed condition.

### 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).

## **Aerolube Technologies**

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## 5007 Solid Lubricants in Synthetic Non Carbonizing Oil Carrier

TECHNICAL PROPERTY			
PARAMETER	VALUE	UNIT	METHOD
Type	Solid lubricants and additives in synthetic oil		
Appearance	Smooth homogenous paste		
Color 1	Grey black		
Penetration - unworked	250-280	mm/10	ASTM D 217
Density, @ 25°C	1.7-1.8	g/cm <sup>3</sup>	
Service temperatures 2			
-as paste	-40 to +450	°C	
-as solids lubrication (in areas with restricted air access)	up to +630	°C	
Four ball test, weld load	3800	N	DIN 51 350 pt. 4
Four ball test, wear scar, 400N load	0.82	mm	DIN 51 350 pt. 5
Approvals / specifications/ special properties	Non carbonizing carrier oil evaporates without any residue at +200°C to provide high temperature solid lubrication up to +450°C		

1. Minor color variation of the same product but of different batches could be possible. However lubrication values remain unchanged.
2. Solid lubricants maintain lubrication up to +450°C

### 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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