



**Aerolube Technologies**



### Technical Data Sheet

## **Pyrotech NMG 460 is a High Performance Extreme Pressure Non Melt Grease for High Temperature Lubrication**

### Applications

- For lubrication of anti-friction and journal bearings under very severe operating conditions of wear, friction, heat, humidity, loads and high stress.
- Non-drip, non-melt bearing grease for high temperature lubrication of overhead conveyor bearings in lithography, paint stoving ovens, curing booths, automotive assembly lines, ceramic, rubber, latex processing, pharmaceutical, bakery, vulcanizing, textile and glass plants.
- For lubrication of plain and anti friction bearings of heavy engineering equipment, processing machines, textile machinery, pumps, mining and construction equipment, EOT cranes, material handling equipment.
- Steel Mill & Foundries: Bearings in soot blowers, furnace door hinges, hot running bearings in axle boxes and kiln cars, furnace louver pins and bushings, pusher mechanisms, hot strip mills, bloom and billet mill roller bearings, crop car wheel and hot metal mixer bearings, open hearth furnaces, converters, ladles.
- For lubrication of anti-friction and plain bearings of pre-heater fans, electrical motors, induced draft fans, ovens, pumps, mixers, furnaces, paper mill machinery, sugar plants.

### Benefits

- Wide service temperature range of -20°C to +180°C
- Very good adhesion to metal surfaces
- Non melting and does not drip off to contaminate other components
- Highly resistant to water and water washout, humidity, steam, ageing and oxidation
- Retains consistency at high temperatures
- Low evaporation rate
- Heavy duty performance increases relubrication intervals and cuts down lubricant consumption
- Reduces wear and friction and provides emergency running in properties
- Good high temperature performance
- High surface pressure withstanding capacity
- Increases service life of equipment
- Prevents premature equipment failure by providing a solid lubricant film in case of lubricant starvation

### Directions for Use

By normal greasing methods of filling greases i.e. by brush, grease guns or centralized lubricant dispensing systems. Pack bearing as per manufacturer's instructions. Remove old grease or residues before using this grease. This non-soap based grease is not compatible with other greases or conventional lubricants and should not be mixed with any 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).

### Available Packaging

20 kg, 180 Kg

### Shelf Life

36 months from date of manufacture in sealed condition.

## **Aerolube Technologies**

A-501, Kabra Centroid, 168/169, Vidyanagari Marg, Kalina, Santacruz (E), Mumbai - 400 098. Mobile : 93200 01540  
E-mail : [sales@aerolubeindia.com](mailto:sales@aerolubeindia.com) | [aerolubetech@rediffmail.com](mailto:aerolubetech@rediffmail.com) | Website : [www.aerolubeindia.com](http://www.aerolubeindia.com)



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TECHNICAL PROPERTY			
Parameter	Value	Unit	Standard
Type	Grease with EP/AW additives and solid lubricants		
Appearance	Smooth grease		
Base oil	Mineral		
Base oil viscosity @ 40°C, mm <sup>2</sup> /s	ISO VG 460		
Thickener	Non soap		
Color <sup>1</sup>	Black		
Penetration, worked	265-295	mm/10	ASTM D 217
NLGI Consistency	2	Class	DIN 51 818
Density, @ 25°C	0.85- 0.90	g/cm <sup>3</sup>	
Drop point	None	°C	ASTM D 566
Service temperatures	-20 to +180	°C	
Four ball test, weld load	2200	N	DIN 51 350 pt. 4
Four ball test, wear scar, 800N load	1.4	mm	DIN 51 350 pt. 5
SKF-Emcor method	0-1		DIN 51 802
Degree of corrosion			
Water resistance, static evaluation	0-90		DIN 51 807 pt.1
Oil separation	2.5	%	DIN 51 817
TECHNICAL PROPERTY			

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.