



Aerolube Technologies



Technical Data Sheet

Pyrotech SP Series Calcium Sulphonate Complex Based Greases For Water Resistance, Withstanding High Loads & Temperatures

Product Description

Stanvac Pyrotech SP grease series utilize calcium sulphonate complex thickener technology in mineral oil carriers resulting in a lubricating medium grease of providing exceptional lubrication properties under severe operating conditions of temperature, loads and water attack.

Stanvac Pyrotech SP grease series have been specifically formulated to maintain a lubricating film capable of high load carrying capability, provide heavy duty lubrication, exhibit thermal and oxidation stability, protect against corrosion along with water and water washout resistance.

Formulated with special additives, this grease is lead free and contains no environmentally harmful or hazardous ingredients and is provides exceptional lubrication under vibrations and loads.

Also available Stanvac Pyrotech SP 500 M with molybdenum disulfide solid lubricant.

Applications

For lubrication of heavily loaded bearings in especially if in contact with water

Benefits

- Extremely wide service temperature range of -20°C to +160°C (peaks to +180°C)
- Excellent EP & AW properties due to uniqueness of inherent calcium structure
- Very good resistance to oxidation
- Excellent protection against corrosion
- Good load carrying capacity
- Excellent for use under slow to medium speeds and heavy loads
- Excellent mechanical shear stability
- High dropping point
- Exceptional lubrication at high temperatures
- Provides extended lubrication
- Very good adhesion to metal surfaces
- Water resistant

Directions for Use

Use as supplied. Never dilute or mix with other oil 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

5 kg, 20 Kg, 180 Kg

Shelf Life

36 months from date of manufacture in sealed condition.

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**Pyrotech SP Series Calcium Sulphonate Complex Based Greases
For Water Resistance, Withstanding High Loads & Temperatures**

TECHNICAL PROPERTY

PARAMETER	VALUE			UNIT	STANDARD
	SP 200	SP 500	SP 500 M		
Product	SP 200	SP 500	SP 500 M		
Appearance	Smooth grease	Smooth grease	Smooth grease		Visual
Color	Brown	Brown	Black		Visual
Base oil	Mineral	Mineral	Mineral (with MoS2)		In house
Base oil viscosity @ 40°C	~220	~460	~460	mm ² /s	ASTM D 445
Thickener	Calcium sulphonate complex	Calcium sulphonate complex	Calcium sulphonate complex		In house
Penetration, worked	265-295	265-295	265-295	mm/10	ASTM D 217
NLGI consistency	2	2	2	Class	DIN 51 818
Drop point	+315	+315	+315	°C	ASTM D 2265
Copper strip corrosion	1a	1a	1a	Rating	ASTM D 4048
Rust prevention	Pass	Pass	Pass		ASTM D 1743
Water washout	<1.5	<1.5	<1.5	%	ASTB D 1264
Four ball test, weld load	350	500	600	kg	ASTM D 2596
Service temperatures	-20°C to +160°C (peaks to +180°C)	-20°C to +160°C (peaks to +180°C)	-20°C to +160°C (peaks to +180°C)	°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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