



Aerolube Technologies



Technical Data Sheet

Pyrotech HT Series are Organic Polyurea Based High Temperature Grease

Product Description

Stanvac Pyrotech HT grease series are high performance greases based on mineral oil thickened with a new generation polyurea thickener and exhibit high degree of thermal and mechanical stability along with excellent water resistance. These organically thickened grease do not form solid deposits or residues at high temperatures due to the non-metallic soap formulation and are compatible with common polyurea and lithium soap thickened greases.

Applications

Bearings operating at high speeds, moderate to high temperatures and high loads such as in Electrical motors, Vertical shafts, Water pumps, Industrial fans, Blowers, Boilers, Driers, Kilns, Paper processing, Textile manufacturing, Steel making machinery.

Benefits

- Extremely wide service temperature range of -20°C to +180°C
- Provide long life lubrication even at high temperatures
- Excellent resistance to water and water washout
- Extend re-lubrication intervals and cut down lubricant consumption
- High thermal stability
- Offer good surface protection and corrosion inhibiting properties
- Very good shear stability under moderate to high loads
- Make sliding smoother and reduce operational noise
- Increase wear life of the equipment
- Compatible with polyurea and lithium based greases

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.

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

1 kg, 5 kg, 20 Kg, 180 Kg

Shelf Life

36 months from date of manufacture in sealed condition.

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TECHNICAL PROPERTY

PARAMETER	VALUE			UNIT	STANDARD
	HT 100	HT 220	HT 460		
Product	HT 100	HT 220	HT 460		
Appearance	Smooth grease	Smooth grease	Smooth grease		Visual
Color	Yellowish	Yellowish	Yellowish		Visual
Base oil	Mineral	Mineral	Mineral		In house
Base oil viscosity @ 40°C	~120	~220	~460	mm ² /s	ASTM D 445
Thickener	Polyurea	Polyurea	Polyurea		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	+240	+240	+240	°C	ASTM D 2265
Copper strip corrosion	1a	1a	1a	Rating	ASTM D 4048
Rust prevention	Pass	Pass	Pass		ASTM D 1743
Water washout	<2	<2	<2	%	ASTB D 1264
Service temperatures	-20 to +180	-20 to +180	-20 to +180	°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.