

ASTC Paste

Solid lubricants and copper paste for threaded connections; lead and nickel free

Product description

Copper and solid lubricants based paste for threaded / bolted joints. It exhibits an unchanged coefficient of friction in the area of oiled bolts, even after several bolt assembling and disassembly processes making it a universal thread paste for preventing seizure and bolt malfunctions.

Features & benefits

- Service temperature range of -30°C to +1100°C
- Makes disassembly easy and non-destructive even after long operational periods at high temperatures and adverse working environments
- High load withstanding capacity
- Creates an effective matrix between mating surfaces to prevent metal-to-metal contact
- Protects surface from wear and friction
- Good corrosion protection
- Ensures consistent tightening of threaded connections and provides an optimum balance between torque required to tighten and pretension
- Prevents bolt breaking, sintering, fusion, seizure, thread stripping and distortion of threads
- Meets requirements of MIL-PRF-907G

Applications

- All bolted / threaded joints operating at very high temperatures such as in autoclaves, furnaces, boilers, reactors, turbines, extrusion mandrels, compressors, heat exchangers, gas generators, plastic molding machines, chemical and steel plant equipment.
- Heavy duty thread compound for studs, nuts, bolts, valve stems, spindles, exhaust pipes, cylinder and engine head screws, steam lines exposed to high temperatures, water and corrosives

How to use

Use as supplied. Never mix with other greases or dilute with any oils. For optimum performance, clean the contact surface.

Use any ASV heavy duty industrial strength solvent based cleaner degreaser available in aerosol spray or bulk liquid pack. When using a water based degreaser, ensure complete removal of any residues of the water based alkaline cleaning solution prior to applying grease.

Apply on clean, dry, degreased contact points by brush, cloth or chamois leather. Rub intensively on the metal surface to form a thin uniform lubricating film.

All ASV® pastes are high concentrations of solid lubricants in suitable oil carriers. Oil separation might occur over an extended period of time. If required, stir the contents by any simple mechanical means for a few minutes, and the product will regain its original consistency. Never use in excess as is customary with grease lubrication and never use paste instead of grease.

Test	Unit	Result	Standard
Appearance		Solid, grease	Visual
Colour		Dark copper brown	Visual
Base oil		Mineral	Visual
Thickener		Lithium	In house
Penetration (unworked)	mm/10	280-310	ASTM D-217
NLGI Class		1	DIN 51 818
Density @ 20°C	g/cm ³	1.26	ASTM D-1298
Drop point	°C	None	ASTM D-566
Lower operating temperature	°C	-30	In house
Upper operating temperature*	°C	+1100	In house
Four ball OK weld load	N	4800	DIN 51 350 pt.4
Wear scar (1h, 400N)	mm	0.65	DIN 51 350 pt. 5
SKF Emcor test	corr. degree	1	DIN 51 802
Coverage	m ² /kg	3-4	
Shelf life from manufacturing month, unopened container	Months	60	In house

* thermal resistance of lubricating solids

General

Use in well-ventilated areas. Avoid continuous breathing of vapor and spray mist. For complete details on safety, short and long term exposure, refer to this product's safety data sheet (SDS).

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.

Manufactured by:
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Disposal

All used and unused product should be disposed of in accordance with state regulations.

Limited warranty

Product manufactured is for industrial use only. 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 ASV 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.

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