



Product Data

Molub-Alloy Paste TA

High temperature assembly paste

Description

MOLUB-ALLOY™ PASTE TA (previously named Optimol™ Paste TA) for screw connections up to + 1100°C/+ 2012°F. It is used as assembly paste and prevents seizing, welding or scaling.

MOLUB-ALLOY™ PASTE TA ensures a good separating and sealing effect in high temperature and wet environments as well as under the influence of aggressive media.

Application

For assembly of components subjected to corrosion and extreme temperatures, for example:

- Screws, bushes and valves.
- Flanged joints and threaded tube connections
- Positive-locking components.
- Seals, stuffing boxes and packaging.
- Light metal/steel friction surfaces.
- As basic or thin film lubrication for sliding surfaces under high thermal loads.

Conditions of Use

- Clean surface. Apply an even layer of MOLUB-ALLOY™ PASTE TA with brush or lint-free cloth.
- To achieve a good sealing effect, apply MOLUB-ALLOY™ PASTE TA in sufficient quantity down to the thread root.
- Before assembly coarse contamination should be removed from the threads with a wire brush.
- MOLUB-ALLOY™ PASTE TA is only suited for paste-specific applications - it cannot replace oil or grease lubrication.

Please avoid mixing with other pastes, greases or oils.

Advantages

- High load carrying capacity.
- Resistant to hot and cold water.
- Economical in use.
- Resistance to alkalis and acids.
- Good corrosion protection.
- Good separation ability.
- Easy application.

Typical Characteristics

Name	Test Method	Units	Paste TA
Appearance	Visual	-	Silver coloured smooth paste
Base	-	-	Inorganic thickener / thermally stable solid lubricants
NLGI Number	-	-	1 - 2
Worked Penetration	ASTM D217 / ISO 2137	0.1 mm	295 - 310
Density @ 20°C / 68°F	Inhouse method	kg/m ³	1340
Water Resistance @ 90°C / 194°F	DIN 51807	Rating	1
Flow Pressure @ 20°C / 68°F	DIN 51805	hPa	45
Flow Pressure @ -20°C / -4°F	DIN 51805	hPa	700

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification. This product was previously named Optimol™ Paste TA. The name was changed in 2015.

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