

# PLU

## ANTI-SEIZE ASSEMBLY LUBRICANT - AGAINST RUST CORROSION AND WEAR

- Resists high pressure (230 N/mm<sup>2</sup>)
- Contains no nickel - special blend of metal powders
- High temperature resistance up to +1200°C
- Protection against corrosion, seizing and cold welding
- Reduces friction and wear - ball bearing effect
- Resists water, chemical vapours, salt, solvents, atmospheric action, etc
- Consistent viscosity even in extreme circumstances
- Saves time and money
- Easier assembly and disassembly of parts
- Economical in use



### Notice

All information including images are given with the greatest care. Still, it is appropriate to users regardless of the test the suitability of each product for their own purposes. Tech-Masters is not liable for the completeness and accuracy of information and refuses warranty for your specific use. The guarantee, which Tech-Masters products provide, relates only to the standard conditions of sale of this product. In no case Tech-Masters can be held responsible for incidental damages, or damages for improper use or sale of the product to another customer.

# POWER LUBE

## General Information

POWER LUBE is an highly efficient anti-seize assembly lubricant. Due to the special combination of synthetic oils and pure metal particles it offers reliable protection against corrosion, seizing and cold welding. POWER LUBE penetrates even the smallest pores and cracks and forms a fine dividing film that is protective and long lasting. Thanks to the powerful lubricating characteristics of POWER LUBE assembled parts can

easily be separated with standard tools, even after years. POWER LUBE is a heat conductor and cannot be destroyed. It resists temperatures ranging from -180°C to +1200°C. It may not be used on oxygen or acetylen installations. POWER LUBE is non-toxic and free from lead or nickel. POWER LUBE does not drip and is very economical in use.

## Technical Information

### PASTE / PRESSURE PACK:

Colour: grey/anthracite  
 Odour: characteristic  
 Basic oil: synthetic oil mixture  
 Flash point: 170°C (paste), > 93,3°C (press pack)  
 Density (20°C): 1,2 g/cm<sup>3</sup>  
 OFW device coefficient of friction: 0,13  
 Friction total: 0,14 µ  
 Friction thread: 0,13 µ  
 Friction head bottom: 0,15 µ  
 VKA-TEST (DIN 51350) goods load: 4200 N  
 VKA-TEST (DIN 51350) welding load: 4400 N  
 VKA-TEST (DIN 51350) Spherical cap value (1Min/1000N): 0,5mm  
 Worked penetration (DIN ISO 2137): 310-340 1/10mm  
 Specific heat transfer capacity (20°C): 1,325 J/(g·K)  
 Thermal diffusivity (20°C): 0,355 mm<sup>2</sup>/s  
 Thermal conductivity (ISO 22007-4) (20°C): 0,546 W/m·K  
 Dielectric strength (DIN EN 60243-1) (20°C): 1,3 kV/mm  
 Sulfur content (DIN 514): < 0,1%  
 Water resistance (DIN 51807): 0-90  
 Pressure (DIN 53281-83): 230 N/mm<sup>2</sup>  
 Salt spray test: > 170h  
 Specific resistance: 1,2 x 10<sup>15</sup> Ohm/cm  
 Temperature resistance: -180°C to 1200°C  
 Shelf life: 24 months in original container  
 Storage: Keep container tightly closed. Do not store together with oxidizing agents. Store in a dry place at storage temperature.

### AEROSOL:

Colour: grey/anthracite  
 Odour: characteristic  
 Basic oil: synthetic oil mixture  
 Lower explosive limit: 0,6%  
 Vapour pressure: 350 kPa (room temperature)  
 Density (20°C): 0,72 g/cm<sup>3</sup>  
 Heat of combustion: 31,99 kJ/g  
 VKA-TEST (DIN 51350) goods load: 4200 N  
 VKA-TEST (DIN 51350) welding load: 4400 N  
 VKA-TEST (DIN 51350) Spherical cap value (1Min/1000N): 0,5mm  
 Worked penetration (DIN ISO 2137): 310-340 1/10mm  
 Water resistance (DIN 51807): 0-90  
 Pressure (DIN 53281-83): 230 N/mm<sup>2</sup>  
 Salt spray test: > 170h  
 Thermal conductivity: 0,3 W/m·K  
 Dielectric strength: 0,47 kV/mm  
 Temperature resistance: -180 to +1200°C  
 Shelf life: 24 months in original container  
 Storage: Keep container tightly closed. Do not store together with oxidizing agents. Store in a dry place at storage temperature.

## Application and Use

- PASTE/PRESSURE PACK:
  - Clean and degrease the surface.
  - Apply POWER LUBE paste evenly.
  - POWER LUBE is suitable only for assembly paste specific applications, it does not replace pure lubricants and greases.
  - Apply a good quantity of POWER LUBE with a brush, cloth or plastic sponge.
  - On threads it is important that POWER LUBE is applied down to the thread root to ensure a good sealing effect.
  - POWER LUBE must not be mixed.
- AEROSOL:
  - POWER LUBE is suitable only for assembly paste specific applications, it does not replace pure lubricants and greases.
  - Clean and degrease the surface.
  - Shake can well before use.
  - Spray on at about 15 cm from surface.

Article nr	Name	Content	Section
T221101	Power Lube	400ml	LUBRICANTS
T221005	Power Lube PP	200ml	LUBRICANTS
T221302	Power Lube	500g	LUBRICANTS
T221002	Power Lube	120g	LUBRICANTS
T221404	Power Lube	1,8kg	LUBRICANTS
Y221303	Lube PP Brush	1pc.	TOOLS
Y818001	Sprayhead Vario	1 pc.	TOOLS



LUBRICANTS

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