



SPECIAL PRODUCTS

ADDINOL TSM 400 SPRAY

PRODUCT DESCRIPTION

ADDINOL TSM 400 Spray is a high-pressure resistant black MoS₂-paste serving as initial and assembly paste at extreme loads. The contained solid lubricant MoS₂ protects against initial defects and enables best emergency lubricating properties.

Temperature range from -35 °C up to +450 °C (at reduced air access up to approximately +630°C).

APPLICATION

- Particularly suited for pressure loaded sliding points
- Optimal applicability for basic and thin film lubrication at high pressures and temperatures
- Excellent suitability for larger slip places and points which are difficult to reach as drilled holes, threads and gear rims
- Fit for basic lubrication of moving threads (thread spindles), supports, guides and guideways to avoid stick-slip
- Applicable for the force fitting of wheels, shafts, bearings
- Usable for running-in lubrication in the course of assembling, e.g. slide bearings, tooth systems, crank shafts
- Fit for lubrication at problematic dead chipless forming of metals
- Applicable for lubrication of hot screw joints, e.g. tooth wheels, valves, chains, shafts

DELIVERY

Delivery in 400 ml aerosol cans (12 pieces/ carton).

HANDLING

After cleaning of surface, the spray tin is to be shaken before using. This special product is to be sprayed on thin and evenly with a spray distance of approx. 20 cm.

The content of aerosol is sufficed for 2 m².

CHARACTERISTICS

- Application as spray; adhesive and good separability
- Very low friction coefficient
- Temperature stable
- Protection against corrosion
- Avoid stick-slip-effects
- Solid particle MoS₂
- Chlorine-free propellant based on a propane / butane mixture

ADVANTAGES AND BENEFITS

- Versatile application; economical
- Best pressure absorption capacity and loadability of sliding films
- Applicable for hot lubrication points
- Protects metallic components against corrosion (frictional corrosion)
- No stick-slip effects at low sliding speed and extreme loads
- Excellent emergency lubricating properties
- Enables dismantling even after long operating time
- Avoid seizing of metal pairings
- Ozone-friendly





ADDINOL TSM 400 SPRAY

SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test condition / unit		TSM 400 Spray	Method acc. to
Colour			pale-black	visual
Structure			pasty after spraying	
Temperature range		°C	-35 up to +450 at reduced air access up to +630°C	
Density - active agent	at 20°C	kg/m ³	950	DIN 51757
Density - mixture	at 20°C	kg/m ³	705	DIN 51757
Water resistance	at 90°C		0-90	DIN 51807
Chemical resistance			resistance to fuel and lubricants, chemicals or hydraulic medium	
Particle size		µm	2.0	
Friction constant by enhancing load falling down to		µ	0.02	
Basis			micro-fine MoS ₂ and other adhesive solid lubricants in mineral oil	
VKA welding load		N	5000	DIN 51350
Almen-Wieland-machine welding load shaft		kN	> 20	
			smooth	

ADDINOL - The Experts for High-Performance Lubricants

We at ADDINOL develop and produce more than 600 high-performance lubricants of the new generation. Among these are automotive lubricants for highest demands and pioneering developments for industrial applications. Our customers all over the world benefit from the high and stable quality of our ADDINOL high-performance lubricants, our know-how and the individual customer advisory service of our competent experts. Our company has world wide activities. ADDINOL high-performance lubricants are distributed by more than 90 international partners.

The data given in this product sheet represent our current level of knowledge and experience. Due to the various specific application they do, however, not discharge the user from his own examination. The information provided herein may not be used to derive a legally binding warranty of specific properties or the suitability for a certain purpose of application. Detailed security-concerning and toxicological data as well as security instructions for each product can be taken from the corresponding Material Safety Data Sheets (MSDS). High-performance lubricants from ADDINOL are under continuous development. Therefore, ADDINOL Lube Oil GmbH keeps the right to change technical data in this product data sheet without notification. In case of doubt, please do not hesitate to contact our customers' advisory service.