

STRUB Molymagus Powder R

Molybdenum sulfide (MoS₂)

Art.-No. 30913

Description

STRUB Molymagus Powder R is a pure molybdenum sulfide obtained from raw natural molybdenite after special purification processes. The manufacturing process ensures that the structure of the natural molybdenite is preserved. STRUB Molymagus Powder R serves as an effective dry lubricant at extreme loads and temperatures from -185°C to about + 350°C under air admission and up to 1'000°C under inert gas or vacuum.

Application

STRUB Molymagus Powder R is used as an additive to conventional oil-, grease- and silicone-based lubricants to make them suitable for use even at high pressures and temperatures. In general, STRUB Molymagus Powder R has a decisive wear-reducing effect due to the formation of surfaces containing solid lubricants when hydrodynamic lubrication is interrupted during normal operation or in the event of oil supply malfunctions. STRUB Molymagus Powder R is an outstandingly effective component for self-lubricating materials made of metals and thermoplastics and for bonded coatings for the permanent lubrication of maintenance-free bearings. STRUB Molymagus Powder R is also suitable for all applications requiring a chemically pure molybdenum sulfide.

Specifications

STRUB Molymagus Powder R can be supplied according to the following standard:

German specifications:	VTL 6810-015, TL 6810-015/2
French Specifications:	AIR 4223
British Specification:	DEF 2304 ZX 35, DEF STAN 68-62/1
NATO Code:	S-740
U.S. Specifications:	MIL-M 7866 A, B, C

Technical data

Features	Unit	STRUB Molymagus POWDER R, microfine
MoS ₂	%	98,60
Fe	%	0,10
Acid insoluble fractions	%	0,30
Loss on drying	%	0,10
Particle size distribution D50	µm	1,40
Grain size according to Fischer	µm	0,70

Transport

ADR/SDR No dangerous goods

Disposal

LVA VeVA / EAK 06 06 03

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