

Introduction

SealXpert® Moly Micro Powder effectively lubricate metal surfaces of all kinds in many difficult and extreme environments e.g. metal/metal pairings at extreme loads and slow speeds or metal/plastic pairings at low loads and low to medium speeds.

Features

- Excellent lubricating properties
- Reduction of friction and wear
- Resistant to oxidation
- Extreme pressure resistance
- Wide service temperature range

Typical Applications

Can be used:

- As a dry burnished (rubbed-on) lubricating film for metallic contacts
- As a solid lubricant additive for self-lubricating plastics and sinter metal parts
- As a solid lubricant additive in metalworking compounds
- As run-in aid, in press-fittings, in heavy loads and slow speeds applications and also in extreme environments (for example in dusty atmospheres or extremes of temperatures)

Typical Properties

	Typical Value
Color	Blackish
Consistency	Free flowing powder
Purity (MoS ₂ content)	98%
Particle size distribution	90 % <12 μm 50 % <6 μm 10 % <3 μm
Particle size (Fisher Method)	0.65 to 0.80 μm
Service temperature range	-185°C to 450°C
Service temperature range (in vacuum)	Up to 1100°C
Theoretical density (solid state)	4.5 g/cm ³
Bulk density (powder state)	0.5 g/cm ³
Water/moisture content	0.05%
Almen Wieland machine OK load	> 20000 N
Press-Fit test	0.06 μ

Direction for Use

Rub the powder thoroughly in different directions on degreased dry surfaces using a hard brush or window leather. Can be applied by rotary brush, felt or polishing disks. Small parts should preferably be tumble coated. Add to plastic elastomers and sinter metals before forming.

Safety and Handling Consideration

Keep away from children.
Local ventilation is required.
Wear proper protective equipment.
Do not store with oxidizing agents.
In case of contact with skin or eyes, rinse with clean water immediately.
More details, please refer to MSDS of this product

Recommended Storage:

Stored in a cool and dry location in unopened containers at 8~28°C.
When stored at or below 20°C (68°F) in the original unopened containers, this products has a usable life of 60 months from the date of production.

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