

INTRODUCTION

LewVac A-MOS2 is a micro-size powder effectively used to lubricant metal surfaces of all kinds in many difficult and extreme environments, including Ultra High Vacuum (UHV) applications. A-MOS2 can be used, for example on metal/metal pairings at extreme loads and slow speeds or metal/plastic pairings at low loads and low to medium speeds.

COMPOSITION

Molybdenum
disulphide

TYPICAL PROPERTIES

Colour Black
Density at 20°C 4.80

Temperature

Service temperature range -185 - +450°C
In Hydrogen atmosphere to +700°C
In Vacuum to +1100°C
In inert gas (argon) to +1300°C

Load carrying capacity, wear protection and service life

Almen Wieland machine OK load >20000N

Coefficient of friction

Press fit test, μ 0.06

Particle size (Fischer) 0.65-0.75 μm

APPLICATION

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

USABLE LIFE AND STORAGE

Store in airtight container at, or below 20°C. When stored at or below 20°C in the original unopened container, this product has a usable shelf life of up to 60 months.

