

PRODUCT INFORMATION

MOLYZOL™ MOLYBDENUM TRIOXIDE

Product Description:

MOLYZOL™ Molybdenum Trioxide is an inorganic compound with the formula MoO₃. Its reactivity is low, rendering it resistant to dilute acids. Molybdenum Trioxide is widely used as a solid lubricant in greases as it has excellent performance in extreme pressure and extreme temperatures to prevent galling and wear under shock loads. A mixture 15 to 50 mole percent molybdenum trioxide to molybdenum disulfide is recommended.

Specification:

Parameters (units)	Specification
Appearance	Light grey or faint yellow colored powder
Apparent density (g/cm ³)	1.0 – 1.4
MoO ₃ content (%)	≥ 99.90
W (ppm)	≤ 5
K (ppm)	≤ 5
Al (ppm)	≤ 5
Cu (ppm)	≤ 5
Ni (ppm)	≤ 5
Pb (ppm)	≤ 5
Cr (ppm)	≤ 5
Sn (ppm)	≤ 5
Mg (ppm)	≤ 5
Sb (ppm)	≤ 5
Bi (ppm)	≤ 5
Co (ppm)	≤ 5
Cd (ppm)	≤ 5
Fe (ppm)	≤ 10
Ca (ppm)	≤ 10
V (ppm)	≤ 10
Na (ppm)	≤ 10
As (ppm)	≤ 10
Si (ppm)	≤ 10
P (ppm)	≤ 10
S (ppm)	≤ 20

Disclaimer:

This document is for information purposes only. Customers are responsible for testing and confirming the suitability of this product in their application. To the extent permitted by law, no warranty as to merchantability or fitness of purpose, expressed or implied, is made.

Health and Safety:

For further handling information, please refer to the MOLYZOL™ Safety Data Sheet of the product.

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