

Magnesium

NANOPARTICLES

Mg

Purity
>99%

Stock no.
NS6130-01-192

CAS : **7439-95-4**

Magnesium is a chemical element with the symbol Mg and atomic number 12. Magnesium is the most auspicious candidate due to it exhibits unique and excellent properties such as optical, electrical, thermal, mechanical and chemical properties and also its high ionic character. At the nanoscale, Mg shows high reactivity because of the compartment of a great number of highly reactive edges, structural defects on the surface, unusual lattice planes and high surface to volume ratio. Mg has a very high melting point and low heat capacity, which makes it an appropriate candidate for insulation applications. Mg has several applications in diverse fields for instance catalyst supports, agricultural products, paints, superconductor products, antimicrobial materials, photonic devices, refractory materials, electro-optical devices, sensors and as adsorbent.

Technical Specification

Molecular Weight	Density	Melting Point	APS
24.31g/mol	1.73g/cm ³	6502°C	20-30nm



APS: 20-30nm



ISO 9001:2015
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