

## American Elements Magnesium Nanoparticles

Category : Metal , Nonferrous Metal , Magnesium Alloy , Pure Element

### Material Notes:

General Description Magnesium (Mg) Nanoparticles, nanodots or nanopowder are spherical black high surface area particles. Nanoscale Magnesium Particles are typically 20-60 nanometers (nm) with specific surface area (SSA) in the 30 – 70 m<sup>2</sup>/g range. Nano Magnesium Particles are also available in Ultra high purity and high purity and coated and dispersed forms. Applications for Magnesium nanocrystals generally involve the potential to strengthen magnesium metal by adding them in order to create a lighter alloy competitive with aluminum and thereby increase the performance and energy efficiency of automobiles, airplanes and other vehicles and in coatings, plastics, nanowire, nanofiber and textiles and in certain alloy and catalyst applications.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_American-Elements-Magnesium-Nanoparticles.php](http://www.lookpolymers.com/polymer_American-Elements-Magnesium-Nanoparticles.php)

| Physical Properties   | Metric                    | English                    | Comments |
|-----------------------|---------------------------|----------------------------|----------|
| Density               | 1.738 g/cc                | 0.06279 lb/in <sup>3</sup> |          |
| Particle Size         | 0.020 - 0.060 µm          | 0.020 - 0.060 µm           |          |
| Specific Surface Area | 30 - 70 m <sup>2</sup> /g | 30 - 70 m <sup>2</sup> /g  |          |
| Molecular Weight      | 24.31 g/mol               | 24.31 g/mol                |          |

| Thermal Properties | Metric  | English | Comments |
|--------------------|---------|---------|----------|
| Melting Point      | 650 °C  | 1200 °F |          |
| Boiling Point      | 1090 °C | 1990 °F |          |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Appearance             | Black |          |

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China