

# Magnesium

Nano-Dispersion

Mg

**Magnesium nano powder dispersion-** has a very high melting point and low heat capacity, which makes it a suitable candidate for insulation applications. Because of its low weight and ability to form mechanically resistant alloys, it is widely used as a structural metal in the building industry and is essential in airplane and missile construction.



## Quick Facts

Purity	: 99.9%
APS	: 80nm
Concentration	: Customer requirement
Dispersing Agent	: Organic Solvent (DMF), IPA, Ethanol, Water (ddH <sub>2</sub> O)
Form	: Slurry, Suspension, Dispersion, Colloidal

## Applications

- ✓ Agricultural product
- ✓ Superconductor product
- ✓ Reflecting and anti reflecting coating
- ✓ Catalyst supports
- ✓ Industrial coating
- ✓ Heat and corrosion coating

## Properties

- ✓ Corrosion protection
- ✓ Extremely good thermal absorption
- ✓ High surface area
- ✓ Anti bacterial resistance
- ✓ Thermal stability



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f @ t in | [www.nanoshel.com](http://www.nanoshel.com) | [sales@nanoshel.com](mailto:sales@nanoshel.com)

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CERTIFIED COMPANY



**INTELLIGENT MATERIALS PVT LTD**  
Derabassi  
Punjab (140507)  
INDIA

+91 9779 550077, 9779238252

**NANOSHEL UK LIMITED**  
Chapel House,  
Chapel St Cheshire,  
CW12 4AB United Kingdom

+44 (0) 74 105 488, +44 203 137 5187

**NANOSHEL LLC**  
3422 Old Capitol Suit  
1305 Wilmington DE - 19808  
United States

+1 646 470 4911