

Magnetite Dispersion

Fe_3O_4

Magnetite Dispersions are mostly used in automotive paints and wood finishes. Meanwhile they are also widely used in the areas of architectural coatings, industrial coatings, powder coatings, art coatings and cosmetics etc. The excellent weather fastness, UV absorption properties, high transparency and color strength make dispersions enrich the colors, increase color shades when combined with organic pigments and dyes and improve the condition of poor weather fastness when organic pigments and dyes are used alone without transparent iron oxide nanoparticles.

Quick Facts

Purity	: 99.9 %
APS	: 50-80nm
Concentration	: Customer requirement
Dispersing Agent	: Organic Solvent (DMF), IPA, Ethanol, Water (ddH2O)
Form	: Slurry, Suspension, Dispersion, Colloidal

Properties

- ✓ Good thermal conductivity
- ✓ Excellent magnetic
- ✓ Electrical conductivity
- ✓ Good thermal stability

Applications

- ✓ In the field of biotechnology
- ✓ Used in biological and medical
- ✓ Wastewater treatment
- ✓ Heavy metal removal
- ✓ Magnetic recording devices
- ✓ Magnetic data storage devices
- ✓ Toners and inks for electrophotography
- ✓ Magnetic resonance imaging
- ✓ Bioseparation, targeted drug delivery
- ✓ Pigments
- ✓ Flocculants
- ✓ Catalytic materials



Designed by : NANOSHEL LLC



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ISO 9001:2015
CERTIFIED COMPANY

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