



Titanium Dioxide Dispersion

Titanium Oxide Dispersion is mostly used as white pigment because of its high diffraction index, strong light scattering, incident-light reflection capability and a high UV resistance that make TiO₂ the standard pigment found in white dispersion paints with high hiding power. TiO₂ pigments used are almost exclusively rutile modification particles with grain sizes in the micrometer range. These white pigments are not only found in paints and dyes but also in varnishes, plastics, paper and textiles.

Quick Facts

Purity	: 99.9 %
APS	: 5-30nm
Concentration	: Customer requirement
Dispersing Agent	: Organic Solvent (DMF), IPA, Ethanol, Water (ddH ₂ O)
Form	: Slurry, Suspension, Dispersion, Colloidal

Properties

- ✓ Antimicrobial activity
- ✓ Very high refractive index
- ✓ Highly-refractive and UV-resistant
- ✓ Catalysis characteristics
- ✓ Special electromagnetism
- ✓ Opacity and gloss properties

Applications

- ✓ Paints field and printing technologies.
- ✓ Food industry
- ✓ Coating
- ✓ Multi-phased cleaning agents,
- ✓ Emulsion paint or seal slurry in the building industry
- ✓ Solvent based systems
- ✓ Paste & liquid inks



Designed by : NANOSHEL LLC



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