

## Silver Colloidal Dispersion

Silver nanodispersion is being used in numerous biological and biomedical applications such as anti-viral, anti-cancer, anti-fungal, antibacterial, anti-inflammatory and so. Also, silver nanodispersion is used in composites and electronically conductive adhesives (ECAs) in order to enhance the electrical and thermal properties of the materials. To be more specific, dispersion of silver nanoparticles in ECAs limits their conductivity if they are used as conductive fillers.

## Properties

- ✓ Chemical stability
- ✓ Large specific surface area
- ✓ Antimicrobial activity
- ✓ Excellent catalytic activity
- ✓ Excellent colloidal stability

## Quick Facts

Purity : 99.99%

APS : 15-20nm

Concentration : Customer requirement

Dispersing Agent : Organic Solvent (DMF), IPA, Ethanol, Water (ddH<sub>2</sub>O)

Form : Slurry, Suspension, Dispersion, Colloidal



## Applications

- ✓ Anti bacterial gel, lotion, wound dressing
- ✓ Antimicrobial coating
- ✓ Antibacterial textiles
- ✓ Biological labeling
- ✓ Biomedical device



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