

N-1127-40W

Nano-silica solution

水性纳米二氧化硅溶液

INTRODUCTION

Application: N-1127-40W is an aqueous dispersion of nano-sized hollow silica spheres. Its unique hollow structure enables a lower refractive index, while the nano-scale particle size ensures excellent transparency (>95%) in coatings. It exhibits good compatibility with various water-based resin systems and maintains stable storage performance. Used as a nano-coating additive in photovoltaic modules, automotive glass, architectural glass, electronic films, and other applications, it delivers anti-reflective and light-transmission-enhancing effects.

INTERMISCIBILITY

Monomer: Compatible with various common aqueous monomers.

Solvent: Miscible with alcohols and alcohol ethers.

TYPICAL VALUES

Appearance	Translucent liquid
Nanosilica(wt%)	20
Viscosity at 25℃, mPa.s	100-300
PH Value	8-9
Refractive index(nD ₂₅)	1.27
Relative Density	0.85-0.95
Nanoparticle Size	40-50nm

packing: 1kg plastic bucket , 20kg plastic bucket

More detailed application references and MSDS are available upon request...

APPLICATION

Coating: Optical film nano-coating, low refractive index!
Possesses the physical, optical, and chemical properties of silica.