

## Ludox Colloidal Silica Grace

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### Ludox Colloidal Silica Grace

It can also be used as a low sodium silica source in the manufacture of zeolites, as co-binders in functional coatings and as flocculating agents and in paper manufacture. Customer Support and Service When you choose LUDOX ® colloidal silica, you choose the benefits of working with Grace. Our expertise in silica - a material Grace has been innovating for more than a century - is evident in the customer service and support we provide.

### LUDOX® Colloidal Silica - Grace.com

LUDOX®colloidal silica contains discrete, spherical parti- cles of amorphous silica in the low nanometer size range. The particles are dispersed in water, are non-porous and exhibit no detectable crystallinity. LUDOX®colloidal silica is especially useful in applications requiring chemical inertness and heat resistance in the final product.

### LUDOX Colloidal Silica - Grace

LUDOX ® colloidal silicas are used in inkjet coatings, steam/wetting promoters, and latex coatings and adhesives. With its small particle size, LUDOX ® colloidal silica performs multiple functions in water-borne coating formulations. Particles in the smaller size range act as binders or co-binders adding strength and durability to the coating due to silica reactivity with other silica particles, metal surfaces, fillers, or organic polymers.

### Grace Colloidal Silica and Defoamers - LUDOX® - ZEOFOAM ...

W. R. Grace & Co. has announced the opening of its new 8,200 square-meter colloidal silica plant at its European flagship manufacturing and R&D center in Worms, Germany. The facility reportedly doubles the worldwide production capacity of LUDOX, Grace's leading colloidal silica product, and significantly enhances Grace's responsiveness to customers in Europe, the Middle East and Africa, (EMEA) and Asia Pacific.

### Grace Doubles LUDOX® Colloidal Silica Capacity - American ...

LUDOX® colloidal silica products are water dispersions of amorphous silica particles. They are used as surface modifiers and binders in a wide range of applications. LUDOX® TM-50 is used as a high temperature binder in refractories, caulks and adhesives for improved strength and resistance.

### LUDOX® TM-50, Grace - ChemPoint

LUDOX® Colloidal Silica is used in a wide range of processes to improve the and resiliency of building materials. Formulating LUDOX™ into concrete, coatings, adhesives, and sealants increases productivity and reduces cost while boosting the strength and consistency of the end product.

### LUDOX® SM, Grace - ChemPoint

LUDOX™ - Improved Resiliency for Building & Construction LUDOX™ Colloidal Silica is used in a wide range of processes to improve the and resiliency of building materials. Formulating LUDOX™ into concrete, coatings, adhesives, and sealants increases productivity and reduces cost while boosting the strength and consistency of the end product.

### Lithium Polysilicate, Grace - ChemPoint

LUDOX ® colloidal silica can be applied as a clear surface treatment on paper and linerboard products to increase their coefficients of friction. This results in a surface with improved antiskid or antislip properties. Paper rolls are less susceptible to telescoping and paper sheets move through transport rollers more easily.

### Colloidal Silica LUDOX - Paper - Grace.com

Grace is a global leader in highly pure colloidal silica used in various stages of emission control catalyst production including zeolite, washcoat, substrate, and canning applications. Our highly pure LUDOX ® monomodal colloidal silica products are designed to offer a consistent quality and narrow particle size distribution which gives the advantage that all particles will react at the roughly the same rate.

### ludox-emission-control - Grace.com

Grace Davison Engineered Materials Technical Information LUDOX® Colloidal Silica in Coatings Lithium Polysilicate in Coatings Introduction LUDOX® colloidal silicas are aqueous dispersions of very small silica particles in the low nanometer size range. Many grades are offered in this family, giving broad flexibility for specific performance targets.

### LUDOX Colloidal Silica in Coatings Lithium ... - Grace

Built on more than half a century of technical and manufacturing expertise, Grace's LUDOX ® colloidal silica has earned a reputation for tightly-controlled specifications and reliable, consistent quality, making it the preferred brand for high-performance applications.

### W. R. Grace & Co. - Grace Doubles LUDOX® Colloidal Silica ...

The facility doubles the worldwide production capacity of LUDOX ®, Grace's leading colloidal silica product, and significantly enhances Grace's responsiveness to customers in Europe, the Middle East and Africa, (EMEA) and Asia Pacific.

### Grace Doubles LUDOX® Colloidal Silica Capacity with Major ...

LUDOX® CL by Grace is colloidal silica. Acts as a filler containing synthetic amorphous silica of nominal 12 nanometer particle size dispersed in a slightly acidic aqueous medium. LUDOX® CL is suitable for coating applications. It has a shelf life of 12 months.

### LUDOX® CL - Grace - datasheet

Built on more than half a century of technical and manufacturing expertise, Grace's LUDOX ® colloidal silica has earned a reputation for tightly-controlled specifications and reliable, consistent...

### Grace Doubles LUDOX® Colloidal Silica Capacity with Major ...

Silica pigments have demonstrated their performance and compatibility with a range of ink types including: water-based dyes; and pigmented, solvent-based, eco-solvent, and oil-based inks. The sophisticated materials and customizable properties of our silica gels and colloidal silicas make Grace the company to turn to for digital media pigments ...

### Grace Inkjet Absorbents and Silica Pigments - SYLOID ...

Application LUDOX ® TMA colloidal silica along with n-amylamine has been used as surface active particles to stabilize foams from drainage, coarsening and coalescence. Other applications include: • Preparation of porous Bragg mirror and using it for flexible and biocompatible optical interference filters by infiltration of polydimethylsiloxane.

### LUDOX® TMA colloidal silica 34 wt. % suspension in H2O ...

LUDOX® PW-50 by Grace is a 50% alkaline aqueous colloidal dispersion of synthetic amorphous silica. Acts as an anti-blocking agent and adhesion promoter. Exhibits low specific surface area, large particle size & polydisperse particle distribution, good binding strength and excellent stability.

### LUDOX® PW-50 (Anti-blocking Agent) by Grace - Technical ...

LUDOX® A5-40 by Grace is a low density, colloidal silica used as a filler in coating applications. It is an aqueous colloidal dispersion containing 40% synthetic amorphous silica of nominal 22 nanometer particle size. It has negative surface charge and is stabilized with ammonium hydroxide.