

ChangFu® CS23



Colloidal silica dispersed in organic solvents

Description ChangFu® CS23 is a type of colloidal silica dispersed in organic solvents. Changfu Chemical's silica sols are colloidal solutions produced by uniformly dispersing nano silica particles in diverse organic solvents through advanced chemical techniques. These colloidal silica dispersions contain evenly dispersed silica particles, which effectively prevent agglomeration.

Features & Benefits Wide ranging surface area and narrow particle size distribution
Has high dispersibility, excellent wear resistance, and good transparency
High purity. Content of most impurities can be controlled at ppb level.
High stability, with a stability period of over one year under different conditions.

Applications Used as an additive for paints, inks, and coatings, enhancing the adhesion and wear resistance of coatings, and increasing the fluidity and dispersibility of inks.
Used as a high temperature binder for precision casting and mold manufacturing.
Used to prepare coatings for electronics and optical components.
Used to improve rheology for encapsulation materials of LED and semiconductors.

Typical Properties

Description	Colloidal silica dispersed in organic solvents		
Appearance	Opalescent liquid		
Product No.	ChangFu® CS23-M	ChangFu® CS23-E	ChangFu® CS23-PMA
Solvent	Methanol	Ethanol	PMA
Particle Size, nm	15±5	15±5	15±5
SiO ₂ , wt%	30±0.5	30±0.5	30±0.5
Viscosity	≤10	≤10	≤10
PH Value	6~7	3~8	6~8

*More grades are available, with different solvent types, particle sizes, concentrations, and PH values.

Package Offered in 25L pails and 200L drums.
Custom packaging is available.

Storage Stored in a cool, well-ventilated place.
Keep container tightly closed.

Transportation See the corresponding Safety Data Sheet.