

Silicon Dioxide Nano Particle



Silicon Dioxide (SiO_2) nano particles are manufactured with multi-points of quality checks.



APS: <100 nm

AD-SiO₂

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PRODUCT FEATURES

SiO₂

Purity: >99%

Advantages

- ▶ High thermal conductivity. Exceptionally low moisture absorption.
- ▶ Extremely low permeability to gases and to ionic contaminants.
- ▶ No Thermal wells or Thermal vias. Supports built-in thin film terminating resistors.
- ▶ Anti microbial Properties.
- ▶ non-hermetic packaging. Precise capacitance/impedance/prop delay control.
- ▶ Improves Mechanical Properties.

Applications

Paints & Coatings

Ceramic Coating

Cement Industries

In The Adhesive
And Sealant Field

Used In
Material Packing

Used In
Textile Industry

Biomedical Applications

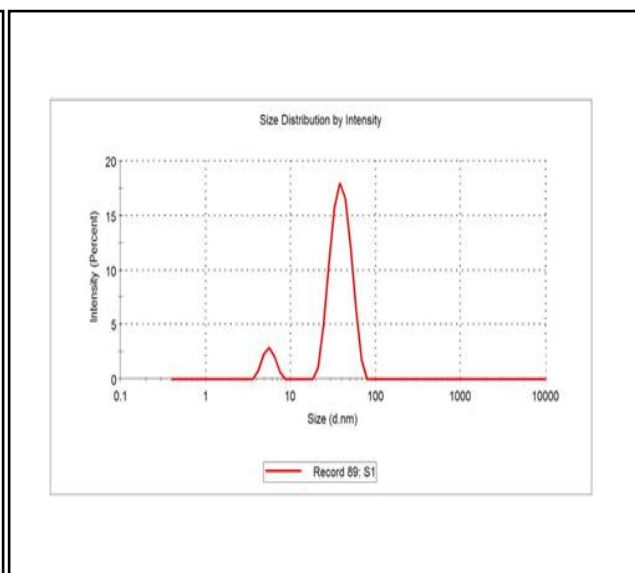
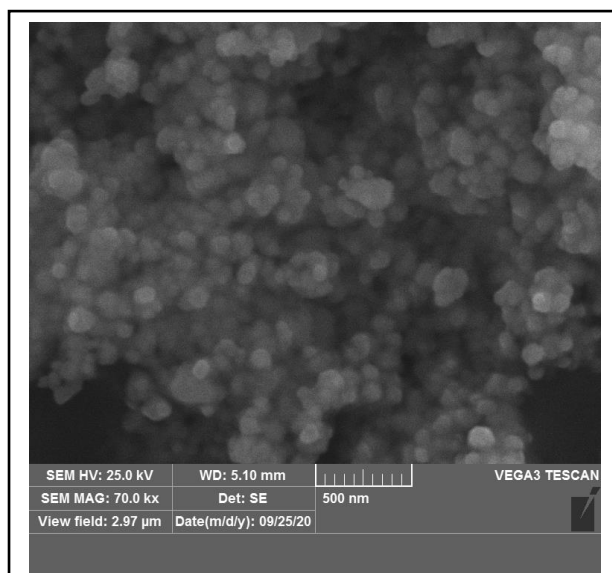
Are Used In
Paints And Inks

Used In
Agriculture And Food Industry

TECHNICAL DATA SHEET

SPECIFICATION

AD-SiO ₂	DESCRIPTION
PURITY	>99%
AVERAGE PARTICLE SIZE	<100 nm
BULK DENSITY	0.3 g/cm ³
SSA	~120 m ² /g
CAS NO	7631-86-9
PHYSICAL FORM	POWDER
MORPHOLOGY OF NANO PARTICLE	NEAR SPHERICAL
COLOUR	WHITE



DISCLAIMER

The values are typical and are for very general guidance and must not be used as a basis for specifications as concrete. Information contained in this publication, and otherwise supplied to users, is based on our general experience and is given in good faith, but we are unable to accept responsibility in respect of factors which are outside our knowledge or control. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. Please refer to MSDS of respective product for safe use.