



ZINC SULFUR CORE SHELL

99%
(Purity)

Stock no:
NS6130-12-000515

CHEMICAL IDENTIFIERS

Purity	:	99 %
Chemical name	:	(Al/SiO ₂)
Shape	:	Spherical
Form	:	Powder
Core	:	Nickel
Shell	:	Silver

Applications

- ✓ Catalysis technology
- ✓ Improvement of semiconductor efficiency
- ✓ Floating gate memory
- ✓ Optoelectronics
- ✓ Optical sensor
- ✓ Photovoltaic cell
- ✓ Information storage

Core-shell type nanoparticles are a type of biphasic materials which have an inner core structure and an outer shell made of different components. Zinc Sulfur Manganese Silica Core Shell nanoparticles are a class of materials which have properties intermediate between those of small, individual molecules and those of bulk, crystalline semiconductors. It have received tremendous interests in various applications compared to the bare zinc sulphur nanoparticles due to several important features such as exhibit higher surface area, the existence of a synergistic effect between the core and the shell, stabilize nanoparticles against aggregation, and easily control their properties by the changing shell structure and shell geometry. The core-shell Nanostructure varies with different sizes and different shapes of core and shell thickness with different surface morphology.

PROPERTIES

- ✓ Large Surface Area
- ✓ High thermal stability
- ✓ Chemical tailor ability



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