

IRON NICKEL Silica Core Shell 99% (Purity)



Core-shell type nanoparticles are a type of biphasic materials which have an inner core structure and an outer shell made of different components. Iron Iron Nickel silica core-shell nanoparticles have received tremendous interests in various applications compared to the bare 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

Stock no:
NS6130-12-000506

CHEMICAL IDENTIFIERS

Purity	:	99 %
Chemical name	:	FeNi/SiO ₂
Shape	:	Spherical
Form	:	Powder
Core	:	Iron Iron Nickel
Shell	:	Silica

Applications

- ✓ Optical Sensor
- ✓ Batteries
- ✓ Gas Sensing devices
- ✓ Electrochemical capacitors
- ✓ Photovoltaic cell
- ✓ Catalysis technology



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