

NICKEL Silver 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. Nickel Silver 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 Nickel 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:
NS6130-12-000530

CHEMICAL IDENTIFIERS

Purity	:	99 %
Chemical name	:	(Ni/Ag)
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



Follow us:

f @ t in | www.nanoshel.com | sales@nanoshel.com

ISO 9001:2015
CERTIFIED COMPANY



20ZICE4589C



19ZAZG01274G



20ZICE4588M

INTELLIGENT MATERIALS PVT LTD

Derabassi
Punjab (140507)
INDIA

+91 9779 550077, 9779238252

NANOSHEL UK LIMITED

Chapel House,
Chapel St Cheshire,
CW12 4AB United Kingdom

+44 (0) 74 105 488, +44 203 137 5187

NANOSHEL LLC

3422 Old Capitol Suit
1305 Wilmington DE - 19808
United States

+1 646 470 4911