

# SILVER CARBON 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 Silver Carbon 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 silver 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:  
**NS6130-12-000536**

## CHEMICAL IDENTIFIERS

Purity	:	99 %
Chemical name	:	Ag/C
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



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CERTIFIED COMPANY



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19ZA2G01274G



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