

COPPER Silicon Oxide 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. The Copper Silica core shell is composed of copper core and silica shell. Since Silica is distributed in the NP shell region, reduced amount of Cu will be required to obtain significant antibacterial efficacy. The core-shell Nanostructure varies with different sizes and different shapes of core and shell thickness with different surface morphology.

Stock no:
NS6130-12-000347

CHEMICAL IDENTIFIERS

Purity	:	99 %
Chemical name	:	Cu/SiO ₂
Shape	:	Spherical
Form	:	Powder
Core	:	Copper
Shell	:	Silica

PROPERTIES

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

Applications

- ✓ Photovoltaic cell
- ✓ Cell labeling
- ✓ Optical sensor
- ✓ Catalysis technology
- ✓ Biological imaging
- ✓ Antibacterial textiles
- ✓ Information storage



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ISO 9001:2015
CERTIFIED COMPANY



20ZICE4589C



19ZAZG01274G



20ZICE4588M

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