

IRON 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 Iron Silica core shell is composed of Iron core and silica shell. Since Silica is distributed in the NP shell region, which exhibit unique magnetic responsivity, low cytotoxicity, and a chemically modifiable surface. The core-shell Nanostructure varies with different sizes and different shapes of core and shell thickness with different surface morphology.

Stock no:
NS6130-12-000504

CHEMICAL IDENTIFIERS

Purity	:	99 %
Chemical name	:	Fe/SiO ₂
Shape	:	Spherical
Form	:	Powder
Core	:	Iron
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



19ZAZGO1274G



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