

HOLLOW SILICA NANOSPHERE



Purity
99.9%

SiO_2

NS6130-12-000415

NEXT



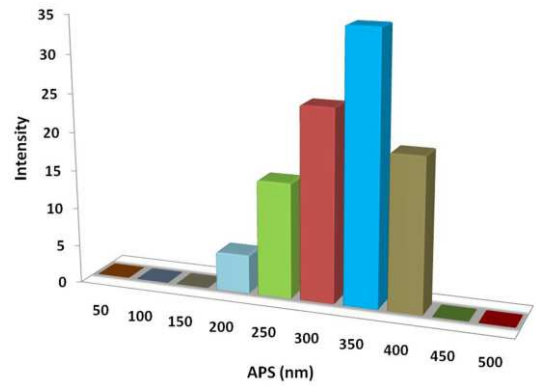
Follow us:

| www.nanoshel.com | sales@nanoshel.com

HOLLOW SILICA NANOSPHERE

Hollow silica nanospheres (HSNs) accommodate inert air inside and the outer thin-walled shell (tens of nanometer). The unique structure and properties of the hollow silica nanospheres make them a multifunctional material in distinct applications for instance efficient catalysts, optical devices, solar batteries, drug delivery carriers, and thermal insulators.

There are number of chemical and physicochemical ways to synthesize hollow nanospheres, including heterophase polymerization combined with sol-gel method, layer-by layer (LBL) self-assembly process, and surface living polymerization processes. These nanoparticles have lots of applications in separation, cell-labeling and drug delivery systems. Silica nanoparticles are optically transparent, of low toxicity, inert to pH, and (some are) degradable.



ADDITIONAL POWDER CHARACTERISTICS

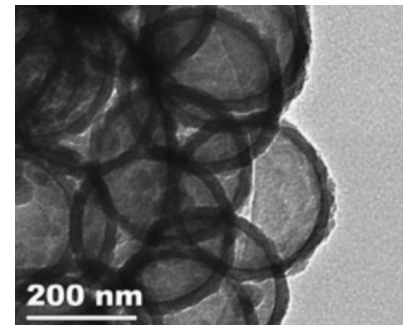
Stock No.	Purity	APS
NS6130-12-000415	99.9%	300nm

TECHNICAL SPECIFICATION

Molecular Formula	Molecular Weight	Density	Melting Point
SiO ₂	60.09 g/mol	2533 g/cm ³	1600 °C

CHEMICAL COMPOSITION

Product	Weight Percent (nominal)	
	SiO ₂	Other Metal
Hollow Silica Nanosphere	99.9%	1000ppm



APPLICATIONS

- > Catalysts
- > Optical devices
- > Solar batteries
- > Drug delivery carriers
- > Thermal insulators

QuickFACTS

Product	:	Hollow Silica Nanosphere
Stock No	:	NS6130-12-000415
CAS	:	60676-86-0
Color	:	White
Form	:	Powder
Symbol	:	SiO ₂



20ZICE4589C



19ZAZGO1274G



20ZICE4588M

ISO 9001:2015
CERTIFIED COMPANY

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 1782 454 144, +44 74 105 48802

NANOSHEL LLC
3422 Old Capitol Suit
1305 Wilmington DE - 19808
United States

+1 646 470 4911