

# SILVER NANOPARTICLES

31.3(c) 00.048

## Specifications

PN	AG-M-035-NP.150	AG-M-035-NP.300	AG-M-035-NP.850	AG-M-03-NP.10
CAS	7440-22-4	7440-22-4	7440-22-4	7440-22-4
Formula	Ag	Ag	Ag	Ag
Purity	99.95%	99.95%	99.95%	99.95%
APS (nm)	150	100-500	500-1200	10
SSA (m <sup>2</sup> /g)	2.4 - 4.4	1.5 - 5	0.5 - 1.2	9 - 11
Density (g/cm <sup>3</sup> )	10.5	10.5	10.5	10.5
Misc				w/ ~0.3% PVP surfactant (alcohol dissovable) to prevent agglomeration

### Handling/Safety

All safety measures and instructions found in the Materials Safety Data sheet (MSDS) should be strictly adhered to while handling Silver powder.

### Safety data sheets

MSDS's are available upon request.

### Suppliers

Contact American Elements for your local distributor.

### Note

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

American Elements shall not be held liable for any damage resulting from handling or from contact with the above product.



America's Leading Manufacturer of Rare Earth and Advanced Material Products

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# SILVER NANOPARTICLES

31.3(c) 00.048

## Specifications

PN	AG-M-03-NPC.40	AG-M-03-NP.40	AG-M-025-NPF.50	AG-M-025-NPC.100
CAS	7440-22-4	7440-22-4	7440-22-4	7440-22-4
Formula	Ag	Ag	Ag	Ag
Purity	99.9%	99.9%	99.9%	99.5%
APS (nm)	30-50	30-50	20-80	<100
SSA (m <sup>2</sup> /g)	5 - 10	5 - 10	3	
Density (g/cm <sup>3</sup> )	10.5	10.5	10.5	10.5
Misc	Surface coated with 2%wt oleic acid for better dispersion in certain applications.	w/ ~0.3% PVP surfactant (alcohol dissovable) to prevent agglomeration	APS: Thickness 20-80 Width 0.6-1.2	Ag coated, SiO <sub>2</sub> cored (20wt%Ag: 80wt%SiO <sub>2</sub> )

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