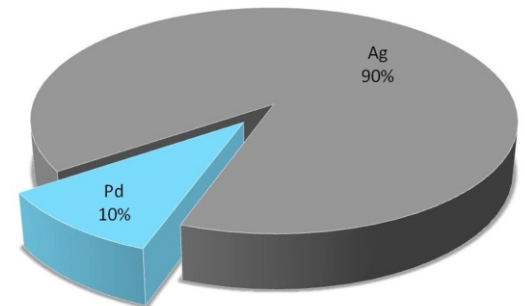




Alloy Silver Palladium NANOPARTICLES

Palladium Silver Alloy Nanopowder



Composition Chart

Stock No:
NS6130-07-715

Pd:Ag

CAS	:	7440-22-4 / 7440-05-3
Purity	:	99.9%
APS	:	<20nm
Color	:	Gray/Silver Metallic
Form	:	Powder

Technical Specification

Molecular Formula	:	Pd:Ag
Density	:	10.9g/cm ³
Melting Point	:	1155-1220°C

Chemical Composition

Assay	:	99.9%
Pd	:	10%
Ag	:	90%

Silver/palladium alloys developed by Heraeus in 1931 have been used for dentistry in applications such as bridges and crowns. Silver/palladium alloys are also used in conductive films and pastes, as well as to make multilayer capacitors. The addition of palladium to silver increases its resistance to tarnishing or the formation of silver sulphide. However, they are not considered tarnish resistant until the composition reaches 60% Palladium/40% Silver. They are also used in AC and DC low current electronic applications, often as contacts. This is because they are ductile and can easily be made into the required shape. However, their use is somewhat restricted due to their high cost.

Application:

- ✓ Used in dentistry
- ✓ Used in bridges and crowns
- ✓ Used in conductive films and pastes
- ✓ Used in multilayer capacitors

ISO 9001:2015
CERTIFIED COMPANY



20ZICE4589C



19ZAZGO1274G



20ZICE4588M



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