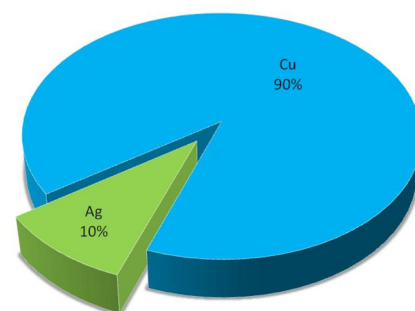




Alloy Silver Copper NANOPARTICLES

Copper Silver Alloy Nanoparticles



Composition Chart

Cu:Ag

Stock No:
NS6130-07-731

CAS	:	11144-43-7
Purity	:	99.9%
APS	:	<100nm
Color	:	Grey/Black
Form	:	Powder

Technical Specification

Molecular Formula	:	Cu:Ag
SSA	:	0.3-0.5 m ² /g
Bulk Density	:	0.5-0.7 g/cm ³

Chemical Composition

Assay	:	99.9%
Cu	:	90%
Cr	:	10%

Silver-copper alloy nanoparticles are a substance made by melting two or more elements together, at least one of them metal. An alloy crystallizes upon cooling into a solid solution, mixture, or intermetallic compound. The components of alloys cannot be separated using a physical means. Silver-copper alloy nanoparticles were explored for metal enhanced luminescence (MEL) applications in this study. Surface plasmon resonance (SPR) wavelengths of these Ag-Cu nanoparticles were tuned in the visible and near infrared regions by changing annealing temperature.

Application:

- ✓ Used in good corrosion resistance
- ✓ Used in wear resistance
- ✓ Used in power electronics

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