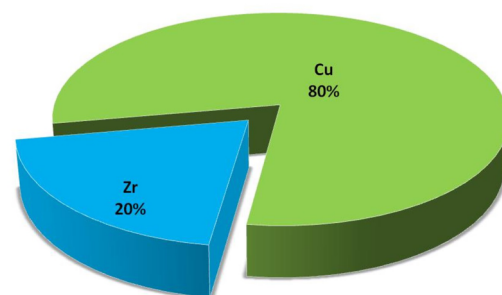




Alloy Copper Zirconium NANOPARTICLES



Composition Chart

Cu:Zr

Stock No:
NS6130-12-001281

CAS	:	N/A
Purity	:	>99.9%
APS	:	80-100nm
Color	:	Gray/Black
Form	:	Powder

Technical Specification

Molecular Formula	:	Cu:Zr
Relative Density	:	27.67g/cm ³
Melting Point	:	980°C

Chemical Composition

Assay	:	>99.9%
Cu	:	80% (±0.5%)
Zr	:	20% (±0.5%)
Others	:	0.1%

Copper-based materials are widely used where high electrical and thermal conductivities are required. Copper has a wider range of applications such as the electrode of resistance welding, integrated circuit sealing materials, high voltage switches, and heat exchangers. These applications require a suitable performance, e.g. high conductivity and excellent mechanical properties, at elevated temperatures and in electronic industries. This alloy has excellent corrosion resistance along with excellent hot or cold workability. It is often used in high-temperature circuit breakers, commutators and soldering welding tips.

Application:

- ✓ Soldering welding tips
- ✓ Switches
- ✓ Commutators
- ✓ High temperature circuit breakers
- ✓ Rectifiers
- ✓ Stub bases for power transmitters

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