

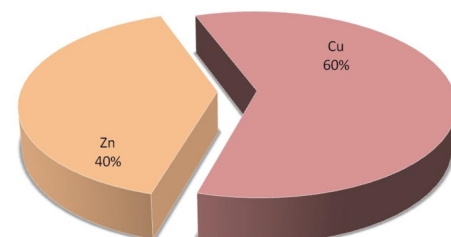


Alloy

Zinc Copper

NANOPARTICLES

Copper Zinc Alloy Nanopowder



Composition Chart

Stock No:
NS6130-07-709

Cu:Zn

CAS	:	63338-02-3
Purity	:	99.9%
APS	:	<80nm
Color	:	Black Brown
Form	:	Powder

Technical Specification

Molecular Formula	:	Cu:Zn
Density	:	1.17g/cm ³
Molecular Weight	:	128.9g/mol
SSA	:	10.2m ² /g

Chemical Composition

Assay	:	99.9%
Zn	:	40%
Cu	:	60%
Other Metal	:	< 0.1 %

Brass is the name used to describe a copper alloy, which has certain zinc content. Copper is one of the metals that were first able to be worked by humans, as it melts at a temperature of around 1,080°C and is very easy to work due to its low hardness. Zinc has an even lower melting point (420°C) and is able to form mixed crystals with copper. By combining copper with zinc, an alloy is formed, which is harder than copper, but still has very good working properties.

Brass is the generic term for a range of copper-zinc alloys with differing combinations of properties, including strength, machinability, ductility, wear-resistance, hardness, colour, electrical and thermal conductivity, hygiene and corrosion resistance. Copper Zinc Alloy is commonly used for decorative purposes primarily because of its resemblance to gold. It is also a commonly used to make musical instruments due to its high workability and durability.

Application:

Brass's valuable properties and relative ease of production have made it one of the most widely used alloys.

- ✓ Nuts, bolts, threaded parts
- ✓ Terminals
- ✓ Jets
- ✓ Taps
- ✓ Injectors
- ✓ Appliance Rim
- ✓ Clock Components
- ✓ Builders Hardware
- ✓ Gear Meters

ISO 9001:2015
CERTIFIED COMPANY



20ZICE4589C

19ZAZGO1274G

20ZICE4588M



Follow us:



www.nanoshel.com | sales@nanoshel.com

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 (0) 74 105 488, +44 203 137 5187

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

+1 646 470 4911