

BRONZE

POWDER



QUICK FACTS

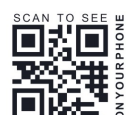
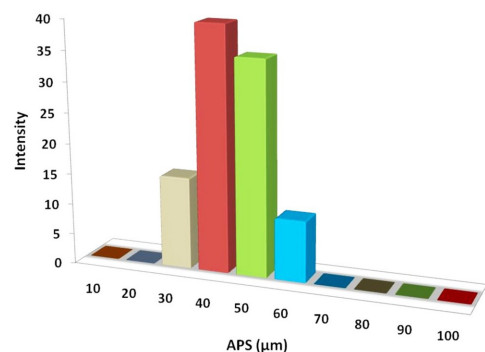
Product	: Bronze Powder
Stock No	: NS6130-05-549
CAS	: 158113-12-3
Color	: Tan
Form	: Powder

Bronze is defined as alloy manufacture of copper and another metal, usually tin. Compositions of bronze can be varied, however, the most modern bronze composition is 88% copper and 12% tin. Bronze may also contain manganese, aluminum, nickel, silicon, phosphorus, arsenic, or zinc. Bronze usually is a golden hard, brittle metal and the properties depend on the specific composition of the alloy as well as how it has been processed. Bronze wool is applied instead of steel wool in woodworking because it doesn't discolor oak. Bronze

manifests low friction against other metals. Many bronze alloys exhibit the unusual property of expanding a small amount when solidifying from a liquid into a solid. For sculpture casting, bronze is advantageous, as it helps to fill a mold. Bronze is utilized in architecture for structural and design elements. It is also employed for bearings due to its friction properties, and as phosphor bronze in musical instruments, electrical contacts, and ship propellers. Aluminum bronze is employed to make machine tools and some bearings.

APPLICATIONS

- ✓ For sculpture casting
- ✓ Machine tools and some bearings
- ✓ Musical instruments
- ✓ Electrical contacts
- ✓ Ship propellers



Additional Powder Characteristics

Stock No.	Purity	APS
NS6130-05-549	99%	40-50µm

Technical Specification

Molecular Formula	Molecular Weight	Density	Melting Point
SnCu	182.26 g/mol	0.8 c/m3	850 °C

Properties

- ✓ Chemical Symbol: SnCu
- ✓ CAS No.: 158113-12-3

Chemical Composition

Product	Weight Percent (nominal)	
	SnCu	Other Metal
Bronze Powder	99 %	9000ppm

Ordering Information and Stock Availability

- ✓ Product: Bronze Powder
- ✓ Distribution: Global
- ✓ Stock Availability: Available
- ✓ Packing Sizes: 25Gms, 50Gms, 100Gms, 500Gms & Bulk Orders

Handling Recommendations

- ✓ Store in the original container in a dry location.
- ✓ Tumble contents prior to use to prevent segregation.
- ✓ Open containers should be stored in a drying oven to prevent moisture pickup.

Safety Recommendations

Download MSDS/SDS NS6130-05-549

SDS are available from the Nanoshel

Website at

<https://www.nanoshel.com/product/bronze-powder>



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