

COMMERCIAL PURE PLATINUM

(99.95% minimum platinum)

NOMINAL COMPOSITION

Platinum 99.95% Min.

PHYSICAL PROPERTIES

Color	Silver Gray
Melting Point (Solidus)	3216°F (1767°C)
Flow Point (Liquidus)	3216°F (1767°C)
Brazing Temperature Range	3216°-3316°F (1767°-1824°C)
Specific Gravity	21.4
Density (Troy oz/in ³)	11.3
Electrical Conductivity (% IACS) ⁽¹⁾	N/A
Electrical Resistivity (Microhm-cm)	N/A

⁽¹⁾ IACS = International Annealed Copper Standard

PRODUCT USES & CHARACTERISTICS

Commercial pure platinum is widely used in numerous electrical, electronic, and industrial applications. Typically platinum is used in manufacturing of temperature measuring devices i.e. thermocouples. Platinum has been used in dental, jewelry and medical applications.

PROPERTIES OF BRAZED JOINTS

The properties of a brazed joint are dependent upon numerous factors including base metal properties, joint design, metallurgical interaction between the base metal and the filler metal.

AVAILABLE FORMS

Wire, strip, engineered preforms, specialty preforms per customer specification.

SPECIFICATIONS

Commercial pure platinum conforms to the following specifications: N/A

APPLICABLE PRODUCT CODE(S)

The applicable Lucas-Milhaupt product code(s) for this technical data sheet: 69-300.

SAFETY INFORMATION

The operation and maintenance of brazing equipment or facility should conform to the provisions of American National Standard (ANSI) Z49.1, "Safety in Welding and Cutting". For more complete information refer to the Material Safety Data Sheet for Commercial Pure Platinum.

WARRANTY CLAUSE

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