

Prince & Izant Company

12999 Plaza Drive
Cleveland, Ohio 44130
T: 216-362-7000
F: 216-362-7456
princeizant.com



CDA 110 (BCu-1b) TECHNICAL DATA

NOMINAL COMPOSITION	Copper Other Elements, Total	99.90% Min 0.10% Max
PHYSICAL PROPERTIES	Color Solidus Liquidus Recommended Brazing Temperature Density (lbs./in³) Specific Gravity Electrical Conductivity (%IACS) Electrical Resistivity (Microhm-cm)	Copper 1981°F (1083°C) 1981°F (1083°C) 2000-2150°F (1093-1177°C) 0.32 8.94 101 1.71
USES	CDA 110 is a fluid filler metal used for brazing of ferrous and nickel based alloys in particular steel, stainless steel and copper-nickel alloys. This alloy is typically used in furnace braze applications without the use of flux.	
BRAZING CHARACTERISTICS	CDA 110 is a free flowing filler metal that exhibits good wetting characteristics on ferrous and nickel based materials. Maximum strength and joint integrity are obtained where joint clearance falls within the range of 0.000in – 0.001in (0.000-0.025mm) per side.	
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.	
SPECIFICATIONS	CDA 110 alloy conforms to: American Welding Society (AWS) A5.8/A5.8M BCu-1b, Unified Numbering System (UNS) C11000, and ASTM B152 C11000	
AVAILABLE FORMS	Wire, strip, engineered preforms, specialty preforms per customer specification, powder and paste.	

Individuals requiring further information and Engineering Specification Documents may wish to contact the Engineering Society for Advanced Mobility, Land Sea Air and Space, The Society of Automotive Engineers <http://www.sae.org/> (SAE AMS) or The American Welding Society (AWS) <http://aws.org/>

NOTE:

DISCLAIMER

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