

AgCu3

Hera 343

General information

Applications	collectors, commutators, contacts, sliding contacts
Product Forms	wire, sheet, strip, spheres, tube
Density, g/cm ³	10.4
Melting Range, °C	900 - 938

Forming Processes

Age Hardenable	No
Material Behaviour	ductile
Forming Process	formable, machinable, can be roll clad

Chemical Properties

Corrosion Resistant	
Comment	not oxidation resistant

Physical properties

Conductivity, min., % IACS	90.53
Conductivity, max., % IACS	95.56
Thermal Conductivity at 20 °C, W/(m*K)	372
Coefficient of Expansion (20 - 100 °C) (x 10 ⁻⁶), K ⁻¹	18.46
Young's Modulus, GPa	76
Modulus of Rigidity, GPa	24

Temper	Property Range
Hardness, HV	45 - 95
Tensile Strength, MPa	200 - 470
Yield Strength, MPa	100 - 480
Elongation, %	2 - 30

Contact

precious.metals@heraeus.com | www.heraeus-precious-metals.com
Heraeus Deutschland GmbH & Co. KG | Heraeusstrasse 12-14 | 63450 | Hanau | Germany



Looking for more data?

The information in this data sheet contains only general information on the use of our products or examples for their application. They do not release the customer from a careful inspection of the delivered product for its fitness for the customer's particular purpose of use. Any customer's special requests regarding the particular use of a product will only be authoritative if Heraeus has confirmed to the customer in writing at the time of conclusion of a corresponding contract that the product delivered is fit for the customer's intended use. Heraeus, therefore, does not guarantee the correctness and completeness of the information regarding the customer's intended use. The customer's purchase will be governed exclusively by the written order confirmation of Heraeus and the Heraeus General Terms of Sale and Delivery, which are available at www.heraeus.com/gtc. This data sheet may be subject to changes at any time.