

### AgCu3

#### Hera 343

##### General information

Applications	collectors, commutators, contacts, sliding contacts
Product Forms	wire, sheet, strip, spheres, tube
Density, g/cm <sup>3</sup>	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

Comment	sensitive to sulphur, not oxidation resistant
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##### 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 <sup>-6</sup> ), K <sup>-1</sup>	18.46
Temperature coefficient of resistance (0 - 100 °C) (x 10 <sup>-4</sup> ), annealed, K <sup>-1</sup>	33
Young's Modulus, GPa	76
Modulus of Rigidity, GPa	24

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

##### Contact

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