

### AuNi5

#### Hera 220

##### General information

Applications	contacts, sliding contacts, switching contacts
Product Forms	wire, strip
Density, g/cm <sup>3</sup>	17.23
Melting Range, °C	995 - 1018

##### Forming Processes

Age Hardenable	Yes
Material Behaviour	ductile
Forming Process	formable, machinable, can be roll clad

##### Chemical Properties

Comment	corrosion resistant
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##### Physical properties

Conductivity, min., % IACS	12.55
Conductivity, max., % IACS	12.65
Thermal Conductivity at 20 °C, W/(m*K)	52
Coefficient of Expansion (20 - 100 °C) (x 10 <sup>-6</sup> ), K <sup>-1</sup>	14.91
Temperature coefficient of resistance (0 - 100 °C) (x 10 <sup>-4</sup> ), annealed, K <sup>-1</sup>	7.3
Young's Modulus, GPa	82
Modulus of Rigidity, GPa	31

	Property Range
Hardness, HV	125 - 200
Tensile Strength, MPa	350 - 600
Yield Strength, MPa	250 - 600
Elongation, %	1 - 20

##### Contact

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