

Alloy 200

Chemical Properties

Element	Chemical Composition %
Nickel (Ni)	99.0
Manganese (Mn)	0.35 max
Copper (Cu)	0.25 max
Silicon (Si)	0.35 max
Carbon (C)	0.15 max
Sulphur (S)	0.01 max

Physical Properties

Property	Value
Density @ Room Temp	0.321 lb/in ³
Young's Modulus @ 78 °F	29.7 x 106 psi
Melting Point	2615 °F to 2635 °F
Specific Heat @ 70 °F	0.109 Btu/lb °F
Thermal Conductivity @ 70 °F	487 Btu in/ft ² h °F
Electrical Resistivity @ 70 °F	58 Ω circ mil/ft

Disclaimer

This data is indicative only and as such is not to be relied upon in place of the full specification. In particular, mechanical property requirements vary widely with temper, product and product dimensions. All information is based on our present knowledge and is given in good faith. No liability will be accepted by the Company in respect of any action taken by any third party in reliance thereon.

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