

Incoloy® 800 Tube

Formula: Ni32.5/Cr21/Fe

Outside Diameter: 9.5mm

Wall Thickness: 0.7mm

Inside Diameter: 8.1mm

Length: 500mm

Temper: Annealed

UOM Code: 045-963-07

SKU: 1000006469-group

Product Code: NI12-TB-000100

Material Properties for Alloys

Mechanical Properties

Element	Value
Hardness - Brinell	180-250
Elongation at break(%)	45
Modulus of elasticity(GPa)	196
Izod impact strength(J m ²)	160
Tensile strength(MPa)	400-900

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	20
Temperature coefficient(K ⁻¹)	-

Thermal Properties

Element	Value
Melting point(C)	1350-1420
Specific heat(J K ⁻¹ kg ⁻¹)	460@23°C
Thermal conductivity(W m ⁻¹ K ⁻¹)	11.5-12.9@23°C
Coefficient of thermal expansion(x10 ⁻⁶ K ⁻¹)	14.2-15.8@20-100°C

Physical Properties

Element	Value
Density(gcm ³)	7.95