

AISI 321 Stainless Steel Tube

Formula: Fe/Cr18/Ni 9/Ti

Outside Diameter: 10mm

Wall Thickness: 1.5mm

Inside Diameter: 7mm

Length: 500mm

Temper: Annealed

UOM Code: 019-041-72

SKU: 1000002276-group

Product Code: FE21-TB-000110

Material Properties for Alloys

Mechanical Properties

Element	Value
Hardness - Brinell	160-190
Elongation at break(%)	60
Modulus of elasticity(GPa)	190-210
Izod impact strength(J m ³)	20-136
Tensile strength(MPa)	560

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	70-73
Temperature coefficient(K ³)	-

Thermal Properties

Element	Value
Maximum use temperature in air(C)	800
Melting point(C)	1400-1425
Thermal conductivity(W m ³ K ³)	16.3@23°C
Coefficient of thermal expansion(x10 ⁶ K ³)	18@20-100°C

Physical Properties

Element	Value
Density(gcm ³)	7.9