

AISI 316 Stainless Steel Tube

Formula: Fe/Cr18/Ni10/Mo 3

Outside Diameter: 11.1mm

Wall Thickness: 0.7mm

Inside Diameter: 9.7mm

Length: 200mm

Temper: Annealed

UOM Code: 138-014-30

SKU: 1000041811-group

Product Code: FE24-TB-000400

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 ²)	20-136
Tensile strength(MPa)	460-860

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	70-78
Temperature coefficient(K ⁻¹)	-

Thermal Properties

Element	Value
Melting point(C)	1370-1400
Specific heat(J K ⁻¹ kg ⁻¹)	502@23°C
Thermal conductivity(W m ⁻¹ K ⁻¹)	16.3@23°C
Coefficient of thermal expansion($\times 10^{-6}$ K ⁻¹)	16-18@20-100°C

Physical Properties

Element	Value
Density(gcm ³)	7.96