

Incoloy® 825 Coil

Formula: Ni42/Fe27/Cr21.5/Mo 3/Cu2.5/Ti/Mn/Si/Al/C/S

Thickness: 0.5mm

Coil Width: 914mm

Length: 5m

UOM Code: 336-838-30

SKU: 1000141661-group

Product Code: NF02-FL-000100

Material Properties for Alloys

Mechanical Properties

Element	Value
Hardness - Brinell	200-240
Elongation at break(%)	30
Modulus of elasticity(GPa)	196
Izod impact strength(J m ²)	160
Tensile strength(MPa)	>586

Electrical Properties

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

Thermal Properties

Element	Value
Melting point(C)	1370-1400
Specific heat(J K ⁻¹ kg ⁻¹)	440@23°C
Thermal conductivity(W m ⁻¹ K ⁻¹)	11.1@23°C
Coefficient of thermal expansion(x10 ⁻⁶ K ⁻¹)	14.2-15.8@20-100°C

Physical Properties

Element	Value
---------	-------

Density(gcm³) 8.14