

Hastelloy® B Foil (Light Tight)

Formula: Ni62/Mo28/Fe 5/Cr/Mn/Si

Thickness: 0.01mm

Length 1: 100mm

Length 2: 100mm

UOM Code: 106-220-89

SKU: 1000019267-group

Product Code: NI01-FL-000150

Material Properties for Alloys

Mechanical Properties

Element	Value
Hardness - Brinell	100-230
Elongation at break(%)	60
Modulus of elasticity(GPa)	180-220
Izod impact strength(J m ²)	42-100
Tensile strength(MPa)	600-980

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	137

Thermal Properties

Element	Value
Maximum use temperature in air(C)	760
Melting point(C)	1340-1390
Thermal conductivity(W m ⁻¹ K ⁻¹)	11.1@23°C
Coefficient of thermal expansion(x10 ⁻⁶ K ⁻¹)	10.3@20-100°C

Physical Properties

Element	Value
Density(gcm ³)	9.24