

Hastelloy® X Foil (Light Tight)

Formula: Ni49.5/Cr22/Fe18/Mo 9/Co 1/W

Temper: Annealed

Thickness: 0.25mm

Length 1: 100mm

Length 2: 100mm

UOM Code: 141-276-23

SKU: 1000044065-group

Product Code: NE07-FL-000100

Material Properties for Alloys

Magnetic Properties

Element	Value
Initial permeability	1.002

Mechanical Properties

Element	Value
Elongation at break(%)	46
Tensile strength(MPa)	740-760

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	118
Temperature coefficient(K^{-1})	-

Thermal Properties

Element	Value
Melting point(C)	1260-1355
Specific heat($\text{J K}^{-1} \text{kg}^{-1}$)	486@23°C
Thermal conductivity($\text{W m}^{-1} \text{K}^{-1}$)	9.1@23°C
Coefficient of thermal expansion($\times 10^{-6} \text{K}^{-1}$)	13@25-100°C

Physical Properties

Element	Value
Density(gcm ³)	8.22