

Holmium Foil (Light Tight)

Formula: Ho

Percentage Purity: 99%

Temper: As Rolled

Thickness: 0.5mm

Length 1: 25mm

Length 2: 25mm

CAS Number: 7440-60-0

UOM Code: 134-229-34

SKU: 1000039685-group

Product Code: HO00-FL-000160

Material Properties for Metals

Atomic Properties

Element	Value
Atomic number	67
Crystal structure	Hexagonal close packed
Electronic structure	Xe 4f ¹¹ 6s ²
Valences shown	3
Atomic weight(amu)	164.9304
Thermal neutron absorption cross-section(Barns)	65
Atomic radius - Goldschmidt(nm)	0.176
Ionisation potential(No./eV)	2/ 11.80
Ionisation potential(No./eV)	1/ 6.02

Mechanical Properties

Element	Value
Material condition	Polycrystalline
Poisson's ratio	0.225
Bulk modulus(GPa)	40.5
Tensile modulus(GPa)	66.9
Hardness - Vickers(kgf mm ²)	60
Tensile strength(MPa)	262
Yield strength(MPa)	221

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	94@20@20°C
Temperature coefficient(K^{-1})	0.00171@0-100°C

Physical Properties

Element	Value
Boiling point(C)	2695
Density(gcm^{-3})	8.803@20°C

Thermal Properties

Element	Value
Melting point(C)	1474
Latent heat of evaporation(J g^{-1})	1695
Latent heat of fusion(J g^{-1})	104
Specific heat($\text{J K}^{-1} \text{kg}^{-1}$)	165@25°C
Thermal conductivity($\text{W m}^{-1} \text{K}^{-1}$)	16.2@0-100°C
Coefficient of thermal expansion($\times 10^{-6} \text{K}^{-1}$)	9.5@0-400°C