

Indium/Tin Alloy Disk (In50/Sn50)

Formula: In50/Sn50

Thickness: 0.25mm

Diameter: 17.4mm

UOM Code: 103-242-00

SKU: 1000016685-group

Product Code: IN08-FL-000150

Material Properties for Alloys

Mechanical Properties

Element	Value
Elongation at break(%)	83
Shear strength(MPa)	11
Tensile strength(MPa)	12

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	15
Temperature coefficient(K^{-1})	-

Thermal Properties

Element	Value
Melting point(C)	125
Thermal conductivity($\text{W m}^{-1} \text{K}^{-1}$)	34@23°C
Coefficient of thermal expansion($\times 10^{-6} \text{K}^{-1}$)	20@20-100°C

Physical Properties

Element	Value
Density(gcm^{-3})	7.3