

Iron/Silicon Alloy Powder (Fe84/Si16)

Formula: Fe84/Si16

Mean Particle Size: 14µm

Particle Size D50: 13.9µmµm

Weight: 10g

Production Method: Gas Atomised

UOM Code: 683-704-85

SKU: 1000147796-group

Product Code: FG29-PD-000100

Material Properties for Alloys

Mechanical Properties

Element	Value
Hardness - Brinell	0
Hardness - Rockwell	0
Elongation at break(%)	0
Modulus of elasticity(GPa)	0
Tensile modulus(GPa)	0
Izod impact strength(J m ²)	0
Hardness - Vickers(kgf mm ²)	0
Shear strength(MPa)	0
Tensile strength(MPa)	0

Magnetic Properties

Element	Value
Initial permeability	0
Maximum permeability	0
Coercivity (Hc)(A m ²)	0
Curie temperature(C)	0
Remanence from saturation (Brem)(T)	0
Saturation flux density(T)	0
Saturation Induction(T)	0

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	0
Temperature coefficient(K^{-1})	0

Thermal Properties

Element	Value
Crystallisation temperature($^{\circ}\text{C}$)	0
Maximum use temperature in air($^{\circ}\text{C}$)	0
Melting point($^{\circ}\text{C}$)	0
Temperature - Austenitic($^{\circ}\text{C}$)	0
Temperature - Martensitic($^{\circ}\text{C}$)	0
Specific heat($\text{J K}^{-1} \text{kg}^{-1}$)	0
Thermal conductivity($\text{W m}^{-1} \text{K}^{-1}$)	0
Coefficient of thermal expansion($\times 10^{-6} \text{K}^{-1}$)	0

Physical Properties

Element	Value
Density(gcm^{-3})	0