

6061 Aluminum Spherical Powder

Formula: Al97.5/Mg 1/Si 0.6/Fe 0.5/Cu 0.4

Maximum Particle Size: 63 μ m

Weight: 10000g

Product Shape: Spherical

Production Method: Gas Atomised

UOM Code: 162-657-04

SKU: 1000000885-group

Product Code: AB19-PD-000142

Material Properties for Alloys

Mechanical Properties

Element	Value
Elongation at break(%)	Dec-25
Tensile strength(MPa)	124-290

Electrical Properties

Element	Value
Electrical resistivity(μ Ohmcm)	3.9-4.1

Thermal Properties

Element	Value
Maximum use temperature in air(C)	130-150
Melting point(C)	585
Specific heat(J K ⁻¹ kg ⁻¹)	878-914
Thermal conductivity(W m ⁻¹ K ⁻¹)	152-169
Coefficient of thermal expansion($\times 10^{-6}$ K ⁻¹)	22.7-23.9

Physical Properties

Element	Value
Density(gcm ⁻³)	2.7