

7075 Aluminum Spherical Powder

Formula: Al90/Zn 5.5/Mg 2.5/Cu 1.5/Si 0.5

Maximum Particle Size: 63µm

Weight: 100g

Product Shape: Spherical

Production Method: Gas Atomised

UOM Code: 020-331-09

SKU: 1000002406-group

Product Code: AL20-PD-000142

Material Properties for Alloys

Mechanical Properties

Element	Value
Hardness - Brinell	150
Elongation at break(%)	5-8%
Shear strength(MPa)	331
Tensile strength(MPa)	510-538

Electrical Properties

Element	Value
Electrical resistivity(µOhmcm)	5.15
Temperature coefficient(K ⁻¹)	-

Thermal Properties

Element	Value
Melting point(C)	447-635
Thermal conductivity(W m ⁻¹ K ⁻¹)	130@20°C
Coefficient of thermal expansion(x10 ⁻⁶ K ⁻¹)	24.4@20-250°C

Physical Properties

Element	Value
Density(gcm ⁻³)	2.8