

Grade 5 Titanium/Aluminum/Vanadium Alloy Spherical Powder (Ti90/Al 6/V 4)

Grade: Grade 5

Formula: Ti90/Al 6/V 4

Maximum Particle Size: 45 μ m

Weight: 1000g

Product Shape: Spherical

Production Method: Gas Atomised

UOM Code: 127-554-76

SKU: 1000035883-group

Product Code: TI01-PD-000121

Material Properties for Alloys

Mechanical Properties

Element	Value
Elongation at break(%)	>10
Modulus of elasticity(GPa)	106-114
Izod impact strength(J m ²)	20
Tensile strength(MPa)	895

Electrical Properties

Element	Value
Electrical resistivity(μ Ohmcm)	168
Temperature coefficient(K ⁻¹)	0.0004

Thermal Properties

Element	Value
Melting point(C)	1600-1650
Thermal conductivity(W m ⁻¹ K ⁻¹)	5.8@23
Thermal conductivity(W m ⁻¹ K ⁻¹)	5.8@23C
Coefficient of thermal expansion($\times 10^{-6}$ K ⁻¹)	8@20-100
Coefficient of thermal expansion($\times 10^{-6}$ K ⁻¹)	8.0@20-100C

Physical Properties

Element	Value
Density(gcm ³)	4.42