# Grade 5 Titanium-Aluminum-Vanadium Spherical Powder (Ti90-Al6-V4)

Spherical Ti?6Al?4V powder for additive manufacturing with high strength, corrosion resistance and reliability.
**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?¹ ) | 20 |
| Tensile strength( MPa ) | 895 |

### Electrical Properties

| Element | Value |
|---|---|
| Electrical resistivity( µOhmcm ) | 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( x10?? K?¹ ) | 8@20-100 |
| Coefficient of thermal expansion( x10?? K?¹ ) | 8.0@20-100C |

### Physical Properties

| Element | Value |
|---|---|
| Density( gcm?³ ) | 4.42 |