

Grade 23 ELI Titanium/Aluminum/Vanadium Alloy Disk (Ti90/Al 6/V 4)

Grade: Grade 23 ELI

Formula: Ti90/Al 6/V 4

Temper: Annealed

Thickness: 0.5mm

Diameter: 14.4mm

UOM Code: 102-066-05

SKU: 1000015538-group

Product Code: TI01-FL-000252

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(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 ⁻⁶ K ⁻¹) | 8@20-100 |
| Coefficient of thermal expansion(x10 ⁻⁶ K ⁻¹) | 8.0@20-100C |

Physical Properties

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