

6AL4V LAMIERA IN TITANIO

6AL4V (AMS 4911) è una lega di titanio alfa-beta trattata termicamente per ottenere un moderato aumento della forza. Offre una combinazione di leggerezza, alta resistenza, plasticità e resistenza alla corrosione che lo rendono molto interessante per una serie di applicazioni diverse nei circuiti aerospaziale, sportivi e medici.

| Specific Gravity | | | | | | | | | |
|--|------|-------------------------|------|-------------------|---|--------------------------|------|-----------------|-------|
| 4.484 g/cm ³ | | | | | | | | | |
| Typical Applications | | | | | Related Specifications | | | | |
| Medical Implants Turbine Blades Fasteners Motor Racing applications Aircraft Structural Components | | | | | AMS 2631C AMS 4911 AMS STD 2154 Mil T 9046 ASTM B265 TA10 TA56 TA59 UNS R56400 MSRR 8633 | | | | |
| Chemical Composition (Wt %) | | | | | | | | | |
| | C | Al | N | O | Ti | V | Fe | H | Y |
| Min | – | 5.5 | – | – | – | 3.50 | – | – | – |
| Max | 0.08 | 6.75 | 0.05 | 0.2 | Bal | 4.50 | 0.25 | 0.01 | 0.005 |
| Typical Mechanical Properties | | | | | | | | | |
| 0.2% Proof Stress | | Tensile Strength | | Elongation | | Reduction of area | | Hardness | |
| MPA | | MPA | | % | | % | | HRC | |
| Min | | Min | | Min | | Min | | | |

| | | | | |
|-----|-----|---|----|----|
| 830 | 900 | 8 | 20 | 36 |
|-----|-----|---|----|----|

* Every effort has been made to ensure that our technical specifications are accurate. However, technical specifications included within Dynamic Metals Ltd should be used as a guideline only and are subject to change without notice.

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