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## Astrolite® Ti 6Al – 4V

## Astrolite 4954

### Product Description:

Astrolite® Ti 6Al – 4V (also known as Ti-5, Ti 6/4, TIMETAL® 6-4) is a duplex, alpha-beta alloy filler metal used for welding alloys of similar composition. Ti 6Al – 4V is used in aero-turbine engines' fan and compressor sections. For improved ductility an extra-low interstitial version, Astrolite® Ti 6Al – 4V ELI (AMS 4956), is also available.

Astrolite® Ti 6Al – 4V UltraGrade™ surface finish on the spooled wire promotes smooth feeding through welding equipment which may result in reduced tip wear in contact tips.

Astrolite UltraGrade™ wire cleaning processes insure very clean wire surface for reliable welding performance.

### Specifications:

AMS 4954, AWS A5.16 ERTi 5, UNS R56400, MSRR 9500/73, MSRR 8632, OMAT 3/145A, BS 2TA10:1973

### Nominal Composition (% by weight) & Mechanical properties:

Titanium	Balance
Aluminum	5.5 – 6.5
Vanadium	3.5 – 4.5
Other interstitials	Unreported

Tensile (ksi)	120
Density (LBs/Cubic inch)	0.160

### Available Product Forms and Sizes, Packaging & Identification:

Straight Lengths	Spooled
AMS-2813 – Standard packaging AMS-2814 – Premium packaging <i>available upon request</i> Vapor barrier packaging <i>available upon request</i> . <i>1 LB and 5 LB bags available.</i>	Precision layer wound, with controlled cast and helix AMS-2813 – standard packaging AMS-2814 – Premium, vapor barrier packaging <i>available upon request</i> .
36" (914 mm) – Standard length. Other lengths <i>available on request</i> . <b>Flag tagged</b> on one end per AMS-2816. <i>Tagging of both ends available upon request.</i> <b>Color coding</b> to AMS-2819 or customer-specific specification is <i>available upon request</i> .	12" – Standard spool diameter <i>Other spool diameters; 4" &amp; 8" diameter spools available on request.</i>
<b>Diameters:</b> 0.020", 0.025", 0.030", 0.035", 0.040", 0.045", 0.062", 0.078", 0.093", 0.125"	<i>Upon request special diameters and shapes may be available.</i>

### DFARS Compliant

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