



**Astrolite / Tricor Alloys**  
**California Division**  
 201 Bernoulli Circle, Units B & C  
 Oxnard, CA 93030  
 Phone: 805-487-7131  
 Fax: 805-487-9694

**Tricor Metals**  
**Ohio Division & Corp. H.Q.**  
 3225 W. Old Lincoln Way  
 Wooster, Ohio 44691  
 Phone: 330-264-3299  
 Fax: 330-264-1181

**Tricor Metals**  
**Texas Division**  
 3517 North Loop 336 West  
 Conroe, Texas 77304  
 Phone: 936-273-2661  
 Fax: 936-273-2669

**Tricor Metals**  
**Michigan Division**  
 44696 Helm St.  
 Plymouth, MI 48170  
 Phone: 734-454-3485  
 Fax: 734-454-7110

[www.astrolite.com](http://www.astrolite.com)

[www.tricormetals.com](http://www.tricormetals.com)

# Astrolite® 4956

## Product Description:

Astrolite® 4956, (Titanium 6Al-4V ELI) is a premium-grade solid welding filler wire with UltraGrade™ wire cleaned surfaces to remove alpha case and residual drawing lubricants.

6Al-4V Ti ELI is an alpha-beta alloy filler metal used for welding alloys of similar composition or for where enhanced ductility is required. This grade of 6-4Ti is a purer grade with very low levels of interstitial chemicals. It is widely used in turbine engine components - fan and compressor sections.

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

## Specifications:

AMS4956, AWS A5.16 ERTi-23, MSRR9500/78, OMAT 3/145A3, UNS R56402, 6-4 ELI Ti

## Composition & Mechanical properties:

Titanium	Balance
Aluminum	5.50 – 6.75
Vanadium	3.50 – 4.50
Oxygen	0.11 max
Iron	0.15 max
Other interstitials	Unreported

Density (LBs/Cubic inch)	0.16

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

Straight Lengths	Spooled
AMS-2814 – Except with hermetically sealed containers with argon gas under slight pressure. 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-2814 – Except with hermetically sealed containers with argon gas under slight pressure.  <b>AM grade available</b> – Specially processed with tightly controlled cast, helix, reduced-twist providing better wire positioning and weld process control.
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> . <b>DFARs compliant</b>	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" x 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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