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Astrolite[®] CP Ti ERTI-2

Astrolite 4951

Product Description:

Astrolite[®] CP Ti ERTI-2 (also known as CP Ti, Ti2, TIMETAL[®] 35A) is widely used to weld all C.P. grades of titanium. It is also used to weld titanium alloy grades where ductility is more important than joint strength. CP Ti exhibits excellent corrosion resistance in highly oxidizing to mildly reducing environments, including chlorides.

Astrolite[®] CP Ti ERTI-2 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:

AMS4951, AWS A5.16 ER Ti-2, UNS R50550, MSRR 9500/70, OMAT 366A

Nominal Composition (% by weight) & Mechanical properties:

Titanium	Balance	Tensile (ksi)	40
Other interstitials	Unreported	Density (LBs/Cubic inch)	0.163

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> . Flag tagged on one end per AMS-2816. <i>Tagging of both ends available upon request.</i> Color coding to AMS-2819 or customer-specific specification is <i>available upon request</i> .	12" – Standard spool diameter <i>Other spool diameters; 4" & 8" diameter spools available on request.</i>
Diameters: 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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