

**Specifications:**

AMS 4975, AMS 4952  
UNS R54620  
6Al-2Sn-4Zr-2Mo Ti

**Properties:**

**Tensile Strength:** 146,000 psi  
**Density:** 0.164 lbs/cu. in.

**Description:**

**Ti-6-2-4-2, is an alpha-beta alloy that provides high temperature stability and is heat treatable. This alloy is used often in the manufacture of gas turbine components. Ti-6-2-4-2 has high temperature stability for long term applications up to 1000°F. In its sheet metal form, this alloy is often used in engine afterburner structure as well as other airframe skin applications that requires higher temperatures.**

**Available in multiple sizes and diameters in wire and spool.**

**Chemical Composition (Wt%):**

Ti	Al	Zr	Sn	Mo
BAL	5.5-6.5	3.6-4.4	1.8-2.2	1.8-2.2

Note: Single values are maximum unless otherwise noted. Full chemical breakdown of trace elements available in test reports.

**Maintaining a proper welding procedure, including pre-heat and interpass temperatures, may be critical depending on the type and thickness of material being welded.**

**CAUTION:** Consumers should be thoroughly familiar with the safety precautions on the warning label posted in each shipment and in the American National Standards A49.1, "Safety in Welding and Cutting," published by the American Welding Society, 8669 NW 36 Street, #130, Miami, FL 33126: OSHA Safety and Health Standards 29 CFR 1910 is available from the U.S. Department of Labor, Washington, D.C. 20210.