

Specifications:

AWS A5.16 ERTi-6
AMS 4953
ER Ti-5Al-2.5Sn
UNS R54520

Properties:

Tensile Strength: 120,000 psi
Yield Strength: 115,000 psi
Elongation: 10%

Description:

ERTi-6, titanium Grade 5 is also known as TI 5AL-2.5Sn. This alloy is a filler metal commonly used to weld alloys of similar composition and where oxidation and weldability is needed. ERTi-6 is a high strength alloy with good strength and stability. This alloy is commonly used in the aerospace, on applications of airframes and jet engines.

Available in multiple sizes and diameters in wire and spool.

Chemical Composition (Wt%):

Fe	O	C	N	H	Ti	Al	Sn	Other elements each	Other elements total
0.5	0.175	0.05	0.05	0.015	REM	5.75	3.0	0.10	0.40

Note: Single values are maximum unless otherwise noted.

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.