

Specifications:

AWS A5.16
AMS 4917, AMS 4959
UNS R58010
Ti-13V-11Cr-3Al

Properties:

Tensile Strength: 175,000 psi
Yield Strength: 165,000 psi
Elongation at Break: 7%

Description:

Ti-13-11-3, is a beta alloy that is heat treatable, with good ductility, and is used in applications where high strength is required. Ti-13-11-3 has great resistance to corrosion and good fabricability. This alloy is often used in applications in aerospace and high strength airframe components.

Available in multiple sizes and diameters in wire and spool.

Chemical Composition (Wt%):

Fe	O	C	N	H	Ti	Al	V	Cr
0.35	0.17	0.05	0.05	0.025	REM	2.5-3.5	12.5-14.5	10.0-12.0

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.