Ti 8-1-1
Data Sheet

Specifications:
AMS 4955
UNS R54810
Ti 8Al-1Mo-1V, Ti 8-1-1

Properties:

Density: 4.38 gr/cc
Beta transus: 1900°F

Description:

Titanium 8-1-1 is a near alpha high temperature alloy up to approximately 842°F. Ti 8-1-1 is a titanium with a high creep resistance. This alloy is used to weld base metals of similar composition.

Available in multiple sizes and diameters in wire and spool.

Chemical Composition (Wt%):

Ti	Al	V	Fe	O	C	Mo	H	Y	N
BAL	7.35-8.35	0.75-1.25	0.3	0.12	0.08	0.75-1.25	0.010	0.005	0.05

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 CRF 1910 is available from the U.S. Department of Labor, Washington, D.C. 20210.