ERTi-12
Data Sheet

Specifications:

AWS A5.16 ERTi-12
ASME SFA A5.16 ERTi-12
UNS R53400

Properties:

Tensile Strength: 65,300 psi
Yield Strength: 55,100 psi
Elongation at Break: 12%

Description:

ERTi-12, Titanium Grade 12 is a higher strength, formable, alloy than titanium grades 1 through 4. ERTi-12 contains molybdenum and nickel which increases the resistance to corrosion with a lower cost than adding palladium. This alloy is typically used in applications of chemical processing, heat exchangers, valves and pumps.

Available in multiple sizes and diameters in wire and spool.

Chemical Composition (Wt%):

Fe	O	C	N	H	Ti	Mo	Ni
0.15	0.08-0.16	0.03	0.015	0.008	REM	0.2-0.4	0.60-0.90

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.