

Specifications:

AWS A5.14 ERNiCrCoMo-1
 ASME-SFA-5.14 ERNiCrCoMo-1
 AMS 5887
 UNS N06617

Properties (min):

Tensile Strength: 90,000 psi
Elongation: 25%

Description:

Inconel® 617 is a nickel filler metal that is used for gas tungsten arc and gas metal arc welding. It has a finish on the spool that promotes smooth feeding through welding equipment. This alloy is used in high temperature applications, and has high temperature strength as well as good resistance to oxidation.

Available in multiple sizes and diameters in wire, coil, reel and spool.

Chemical Composition (Wt%):

Ti	Cu	C	P	S	Other	Ni	Cr	Co	Mo	Fe	Al	Mn	Si
0.60	0.50	0.05-0.15	0.03	0.015	0.50	BAL	20.0-24.0	10.0-15.0	8.0-10.0	3.0	0.8-1.5	1.0	1.0

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.