

Specifications:

AWS A5.4
 AWS Class E317/317L (-15, -16, -17)
 ASME SFA 5.4
 UNS W31710, W31713

Properties:

Tensile Strength: 75,000 psi min.
Elongation: 30% min.

Description:

WT 317/317L has a reduced possibility of intergranular carbide precipitation and increased resistance to intergranular corrosion without the use of stabilizers such as niobium or titanium. However, this alloy is not as strong at elevated temperatures as the niobium-stabilized alloys or the standard type 317 weld metal with higher carbon content. This electrode is used for welding alloys of similar composition and are utilized in severely corrosive environments where crevice and pitting corrosion are of concern, such as food processing plants, paper industries, chemical processing facilities, and marine applications.

Available in multiple sizes and diameters in spool and wire rods.

Chemical Composition (Wt%):

Cr	Ni	C	Cu	Mn	S	Si	P	Mo
18.0-21.0	12.0-14.0	0.04	0.75	0.5-2.5	0.03	1.0	0.04	3.0-4.0

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.