

Specifications:

AWS A5.4
 AWS Class E316/316L (-15, -16, -17)
 ASME SFA 5.4
 UNS W31610, W31613

Properties:

Tensile Strength: 70,000 psi min.
Yield Strength: 58,000 psi
Elongation: 30% min.

Description:

WT 316/E316L-16 deposits reduce the possibility of intergranular carbide precipitation, therefore increasing the resistance to intergranular corrosion without the use of stabilizers such as niobium or titanium. These electrodes are principally used for welding low carbon, molybdenum-bearing austenitic alloys. This low carbon alloys is not as strong at elevated temperatures as Type E316H. This classification with maximum ferrite content of 2FN has traditionally been the choice for welding Type 304 and 316 stainless steels for cryogenic service at temperatures down to -452°F. This electrode is well suited for pipe welding, especially in marine and industrial applications.

Available in multiple sizes and diameters in spool and wire rods. Available in -15, -16, -17 coating.

Chemical Composition (Wt%)

Si	Mn	Cu	Mo	S	Ni	Cr	P	C
1.0	0.5-2.5	0.75	2.0-3.0	0.03	11.0-14.0	17.0-20.0	0.04	0.04

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.