

**Specifications:**

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

**Properties:**

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

**Description:**

WT 316/316H-16 is a filler metal that is mainly used for welding alloys where 316 is needed with improved tensile strength. This alloy contains a low carbon content of between 0.04-0.08%, which allows for a higher tensile strength at elevated temperatures. WT 316/316H-16 contains molybdenum which allows for a better creep resistance. This is often used in petrochemical industries as well as power facilities.

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

**Chemical Composition (Wt%)**

Si	Mn	Cu	Mo	S	Ni	Cr	P	C
1.0	2.0-3.0	0.75	2.0-3.0	0.03	11.0-14.0	17.0-20.0	0.04	0.04-0.08

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.