

**Specifications:**

AWS A5.19  
 AWS Class R-AZ61A  
 MIL-R-6944  
 UNS M11610  
 AMS 4350

**Properties:**

**Tensile Strength:** 44,000 psi  
**Yield Strength:** 30,000 psi  
**Elongation:** 16%

**Description:**

WT AZ61A is a general purpose magnesium alloy ideal for applying to wrought base material, mainly used to weld wrought base materials of similar composition. WT AZ61A is used when the application requires joints with strength, corrosion, and heat resistance. This filler metal has good weldability.

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

**Chemical Composition (Wt%)**

Si	Mn	Cu	Zn	Al	Ni	Mg	Other total
0.05	0.15 min.	0.05	0.40-1.5	5.8-7.2	0.005	BAL	0.3

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.