

UNITED STATES WELDING CORPORATION

USW ALLOY DESIGNATION AND BRIEF DESCRIPTION	GTAW SOLID	AZ61A BARE WELDING WIR GNESIUM BASE	E	ISO 9001 AS 9100 Revision A	DATA SHEET 4350
CROSS-REFERENCE CONFORMANCE SPECIFICATIONS	AMS 4350 AWS A5.19 R-AZ61A AZ61A AFNOR G-A6Z1 MIL-R-6944 UNS M11610				
METALLURGICAL BACKGROUND INFORMATION	AZ61A is used for welding wrought base materials of similar composition. AZ61A has good weldability when used with wrought alloys for ambient use.				
MATERIALS TO BE WELDED APPLICATION AND ADVICE	AZ61A, AZ31B, AZM, AZ10A, AZ80A ASTM B107, QQ-M-31, AMS 4350				
WIRE CHEMISTRY WT%	Aluminum Manganese Zinc Copper Nickel Silicon	5.80 7.20 0.15 - 0.40 1.50 - 0.05 - 0.005 0.005	Other elemen Magnesium		3 Total alance
WELD PROPERTIES	Melting Point 1112° F STRAIGHT LENGTHS SPOOLED WIRE				
SIZES AND FORMS OF SUPPLY	5 lbs. (2.2kg) packs 36" (914mm) lengths Flag tagged for traceability. (Double tagging and other lengths on request) Wide range of diameters.		Precision layer wound, with controlled cast and helix 12" (300mm) diameter spools standard 8" (200mm), 4" (100mm) and proprietary spool sizes on request. Wide range of diameters and spool weights.		
PACKAGING	Sealed, air-evacuated, argon filled Vapor Barrier containers with desiccants ensure full protection from atmospheric contamination and prolonged shelf-life.				