

UNITED STATES WELDING CORPORATION

USW ALLOY DESIGNATION AND BRIEF DESCRIPTION	AZ92A GTAW SOLID BARE WELDING WIRE MAGNESIUM BASE	ISO 9001 AS 9100 Revision A DATA SHEET 4395
CROSS-REFERENCE CONFORMANCE SPECIFICATIONS	AMS 4395 AWS A5.19 R-AZ92A AZ92A MSRR 9500/51 MIL-W-6944 UNS M11922	
METALLURGICAL BACKGROUND INFORMATION	AZ92A is Mg - 9 Al - 2 Zn welding alloy which finds wide use for fabricating and repair welding of many similar compositions. Casting repair & refurbishment is the most common application. AZ92A is preferred for joining many casting alloys.	
MATERIALS TO BE WELDED APPLICATION AND ADVICE	2L124, 2L125, L122. AMS 4484, 4434, 4453 AZ31B, AZ10A, ZK21A, AM100A, AZ61A, AZ63A, AZ80A, AZ81A, AZ91A, AMS 4360 AZ casting alloys to: EK41A, EZ33A, HK31A, HM21A, HM31A, HZ32A, K1A (except AZ61A)	
WIRE CHEMISTRY WT%	Aluminum 9.70 O.15 - O.15	ilicon _ 0.05 ther elements _ 0.30 total flagnesium Balance
WELD PROPERTIES	Melting Point 1112° F	
SIZES AND FORMS OF SUPPLY PACKAGING		SPOOLED WIRE 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. r containers with desiccants ensure full protection from
DFARS Compliant	atmospheric contamination and prolonged shelf-	www.usweldingcorp.com