

UNITED STATES WELDING CORPORATION

USW ALLOY DESIGNATION AND DESCRIPTION	RR250 GTAW SOLID WELDING WIRE ALUMINUM BASE	ISO 9001 AS 9100	DATA SHEET
		Revision A	1323
CROSS-REFERENCE CONFORMANCE SPECIFICATIONS	MSRR 9500/34 USWC 1323 (C) RR 250 OMAT 335 A USW 1323		
METALLURGICAL BACKGROUND INFORMATION	ALLOY 1323 is a solid welding wire produced conventionally and then surface cleaned to remove standard metal working lubricants. ALLOY 1323 is an Al-Cu-Ni-Mn-Sb-Co heat treatable alloy used for welding similar composition sand casting materials.		
MATERIALS TO BE WELDED AND APPLICATIONS	RR 250 BS L119 MSRR 8040, 8009, 8010 Casting refurbishment, repair, reclaim. Beware of Antimony fumes when fabricating castings.		
WIRE CHEMISTRY WT%	Copper 4.5 - 5.5 Silicon - 0.30 Manganese 0.2 0.3 Antimony 0.1 0.4 Cobalt 0.1 0.4 Co + Antimony 0.2 0.6	Nickel 0.8 1 Titanium 0.15 0	.50 .2 .25 alance
WELD PROPERTIES	Melting range (approx) 1015° - 1202°F Hardness 85 HV	Density 2.84gm/cc	
SIZES AND FORMS AVAILABLE	STRAIGHT LENGTHS 2.2 kg (5 lb) packs. 914 mm (36") lengths. Flag tagged for traceability. (Double tagging and other lengths on request). Wide range of diameters.	SPOOLED WIRE Precision layer wound & with controlled cast & helix. 300 mm (12") diameter spools standard. 200 mm, 100 mm and proprietary spool sizes on request Wide range of diameters and spool weights.	
PACKAGING	Sealed, air-evacuated, argon purged Vapor Barrier e nvelopes with desiccants ensure full protection from atmospheric contamination and prolonged shelf-life.		
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