

# TECHNIWELDUSA

ATLANTA	JACKSON	NEWTON	YOUNGSTOWN	HOUSTON
P: 800-445-2152	P: 800-647-7144	P: 800-222-1113	P: 877-286-1868	P: 877-674-5586
F: 404-699-7800	F: 800-748-9973	F: 828-464-4884	F: 412-357-2181	F: 832-308-1985

## TYPICAL MATERIAL TEST REPORT

ITEM CLASSIFICATION	
ALLOY	SPECIFICATION
ER308	AWS A5.9
APPLICATIONS	
Used in MIG and submerged arc welding of un-stabilized stainless steels. Can be used for general purpose applications where corrosion conditions are moderate.	

TYPICAL CHEMICAL COMPOSITION						
	ELEMENT	C	P	Ni	Si	
	AVERAGE	0.04	0.009	9.5	0.30	

	ELEMENT	S	N	Mn	Cr	
	AVERAGE	0.009	0.05	1.8	20.0	

TYPICAL MECHANICAL PROPERTIES			
	Tensile Strength	Yield strength	Elongation
	(N/mm <sup>2</sup> )	(N/mm <sup>2</sup> )	%
	90,000 psi	61,000 psi	41%