

# TECHNIWELDUSA

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## TYPICAL MATERIAL TEST REPORT

ITEM CLASSIFICATION	
ALLOY	SPECIFICATION
ER312	AWS A5.9
APPLICATIONS	
Used to weld cast alloys of similar composition, dissimilar metals, and weld overlays.	

TYPICAL CHEMICAL COMPOSITION						
	ELEMENT	C	Cr	Ni	Mo	
	AVERAGE	0.11	29.00	9.25	0.15	

	ELEMENT	Mn	Si	P	S	
	AVERAGE	1.60	0.40	0.013	0.013	

TYPICAL MECHANICAL PROPERTIES				
	Tensile Strength	Yield strength	Elongation	
	(N/mm <sup>2</sup> )	(N/mm <sup>2</sup> )	%	
	105,000 psi	75,000 psi	25%	