

# TECHNIWELDUSA

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## TYPICAL MATERIAL TEST REPORT

ITEM CLASSIFICATION	
<b>ALLOY</b>	<b>SPECIFICATION</b>
ER310	AWS A5.9
APPLICATIONS	
Can be used for the welding of stainless steels of similar composition in wrought or cast form, or for dissimilar welding.	

TYPICAL CHEMICAL COMPOSITION						
	ELEMENT	C	Cr	Ni	Mo	
	<b>AVERAGE</b>	0.10	26.00	21.00	0.15	

	ELEMENT	Mn	Si	P	S	
	<b>AVERAGE</b>	1.70	0.50	0.012	0.010	

TYPICAL MECHANICAL PROPERTIES				
	Tensile Strength	Yield strength	Elongation	
	(N/mm <sup>2</sup> )	(N/mm <sup>2</sup> )	%	
	87,000 psi	57,000 psi	43%	