

TECHNIWELDUSA

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TYPICAL MATERIAL TEST REPORT

ITEM CLASSIFICATION	
ALLOY	SPECIFICATION
ER309	AWS A5.9
APPLICATIONS	
Used for the welding of similar alloys in wrought or cast form, and for welding dissimilar materials such as mild and stainless steel.	

TYPICAL CHEMICAL COMPOSITION						
ELEMENT	C	Cr	Ni	Mo	Mn	
AVERAGE	0.06	23.50	13.0	0.25	1.80	

ELEMENT	Si	P	S	Cu		
AVERAGE	0.40	0.018	0.015	0.20		

TYPICAL MECHANICAL PROPERTIES			
	Tensile Strength	Yield strength	Elongation
	(N/mm ²)	(N/mm ²)	%
	86,000 psi	57,000 psi	47%