

TECHNIWELDUSA

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TYPICAL MATERIAL TEST REPORT

ITEM CLASSIFICATION	
ALLOY	SPECIFICATION
E410-16	AWS A5.4
APPLICATIONS	
Recommended for welding type 410 straight chromium steel. Used extensively for corrosion and oxidation resistance at elevated temperatures up to 1500°F.	

TYPICAL CHEMICAL COMPOSITION						
ELEMENT	C	Mn	Ni	Cr		
AVERAGE	0.10	0.68	0.65	12.20		

ELEMENT	P	Si	S		
AVERAGE	0.021	0.52	0.021		

TYPICAL MECHANICAL PROPERTIES			
	Tensile Strength	Yield strength	Elongation
	(N/mm ²)	(N/mm ²)	%
	63,500 psi	79,000 psi	24%