

# TECHNIWELDUSA

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## TYPICAL MATERIAL TEST REPORT

ITEM CLASSIFICATION	
ALLOY	SPECIFICATION
ER16-8-2	AWS A5.9
APPLICATIONS	
Used primarily for welding stainless steels for high-pressure, high-temperature piping systems.	

TYPICAL CHEMICAL COMPOSITION						
ELEMENT	C	Cr	Cu	Mn	Mo	
AVERAGE	0.10	14.5-16.5	0.75	1.0-2.0	1.0-2.0	

ELEMENT	Ni	P	Si	S		
AVERAGE	7.5-9.5	0.03	0.30-0.65	0.03		

TYPICAL MECHANICAL PROPERTIES			
	Tensile Strength	Elongation	
	(N/mm <sup>2</sup> )	%	
	90,000 psi	37%	