

TECHNIWELDUSA

ATLANTA JACKSON NEWTON YOUNGSTOWN HOUSTON
P: 800-445-2152 P: 800-647-7144 P: 800-222-1113 P: 877-286-1868 P: 877-674-5586
F: 404-699-7800 F: 800-748-9973 F: 828-464-4884 F: 412-357-2181 F: 832-308-1985

TYPICAL MATERIAL TEST REPORT

ITEM CLASSIFICATION	
ALLOY	SPECIFICATION
ER316	AWS A5.9
APPLICATIONS	
Recommended for stainless steel applications when high creep strength at elevated temperatures where resistance to pitting by corrosive liquids is needed.	

TYPICAL CHEMICAL COMPOSITION						
ELEMENT	C	Cr	Ni	Mo		
AVERAGE	0.05	19.25	11.25	2.25		

ELEMENT	Mn	Si	P	S		
AVERAGE	1.70	0.40	0.012	0.010		

TYPICAL MECHANICAL PROPERTIES			
	Tensile Strength	Yield strength	Elongation
	(N/mm ²)	(N/mm ²)	%
	88,000psi	59,000psi	40%