

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
E316L-16	AWS A5.4
APPLICATIONS	
Used for welding type 316 or 316L stainless steels. Often used in chemical holding equipment.	

TYPICAL CHEMICAL COMPOSITION						
ELEMENT	C	Ni	S	Cr		
AVERAGE	0.035	12.65	0.022	18.70		

ELEMENT	Mn	Mo	Si	P		
AVERAGE	1.75	2.30	0.52	0.024		

TYPICAL MECHANICAL PROPERTIES				
	Tensile Strength	Yield strength	Elongation	
	(N/mm ²)	(N/mm ²)	%	
	58,000 psi	58,800 psi	36%	