

TECHNIWELDUSA

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TYPICAL MATERIAL TEST REPORT

ITEM CLASSIFICATION	
ALLOY	SPECIFICATION
ER316L	AWS A5.9
APPLICATIONS	
Primarily used for welding low carbon molybdenum-bearing austenitic alloys.	

TYPICAL CHEMICAL COMPOSITION						
	ELEMENT	C	Cr	Ni	Mo	
	AVERAGE	0.015	18.75	12.25	2.50	

	ELEMENT	Mn	Si	P	S	
	AVERAGE	1.80	0.34	0.010	0.010	

TYPICAL MECHANICAL PROPERTIES				
	Tensile Strength	Yield strength	Elongation	
	(N/mm ²)	(N/mm ²)	%	
	88,000 psi	59,000 psi	35%	