

# TECHNIWELDUSA

ATLANTA	JACKSON	NEWTON	YOUNGSTOWN	HOUSTON
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## TYPICAL MATERIAL TEST REPORT

ITEM CLASSIFICATION	
ALLOY	SPECIFICATION
15-7Mo	AWS A5.9
APPLICATIONS	
Typically used with seal rings, retaining rings, springs and aircraft components.	

TYPICAL CHEMICAL COMPOSITION						
ELEMENT	C	Mn	Si	Cr	Ni	
<b>AVERAGE</b>	0.090	1.00	1.00	14.00-16.00	6.50-7.75	

ELEMENT	Mo	Al	P	S	Fe	
<b>AVERAGE</b>	2.00-3.00	0.75-1.50	0.040	0.040	Balance	

TYPICAL MECHANICAL PROPERTIES			
	Tensile Strength	Yield strength	Elongation
	(N/mm <sup>2</sup> )	(N/mm <sup>2</sup> )	%
	150,000 psi	55,000 psi	20%