

TECHNIWELDUSA

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TYPICAL MATERIAL TEST REPORT

ITEM CLASSIFICATION	
ALLOY	SPECIFICATION
ER630	AWS A5.9
APPLICATIONS	
Designed primarily for welding type 620 and some other precipitation-hardening stainless steels.	

TYPICAL CHEMICAL COMPOSITION						
ELEMENT	C	Cr	Ni	Nb & Ta	Mo	
AVERAGE	0.03	16.51	4.75	0.23	0.20	

ELEMENT	Mn	Si	P	S	Cu	
AVERAGE	0.54	0.41	0.020	0.018	3.62	

TYPICAL MECHANICAL PROPERTIES			
	Tensile Strength	Yield strength	Elongation
	(N/mm ²)	(N/mm ²)	%
	135,000 psi	150,000 psi	10%