

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
ERNiCr-3	AWS A5.14
APPLICATIONS	
Used for welding Inconel alloy 600 and Incoloy 800, and overlaying on steel and various dissimilar metal welding applications. Can be used with GTAW, GMAW, and ASAW weld processes.	

TYPICAL CHEMICAL COMPOSITION						
ELEMENT	C	Mn	Fe	P	S	
AVERAGE	0.03	2.85	1.1	0.003	0.001	

ELEMENT	Si	Ni	Cr	Cb/Ta		
AVERAGE	0.22	72.9	20.4	2.5		

TYPICAL MECHANICAL PROPERTIES			
	Tensile Strength	Yield strength	Elongation
	(N/mm ²)	(N/mm ²)	%
	85,500 psi	52,500 psi	38%