

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
ENiCrFe-2	AWS A5.11
APPLICATIONS	
Used in the welding of nickel-chromium-iron alloys to themselves, as well as for dissimilar welding between various nickel alloys and carbon or stainless steel.	

TYPICAL CHEMICAL COMPOSITION						
ELEMENT	C	Cr	Fe	Ni	Mn	
AVERAGE	0.04	15.5	8.5	71.15	1.75	

ELEMENT	Mo	S	Si	Cb/Ta	P	
AVERAGE	1.5	0.006	0.32	1.25	0.009	

TYPICAL MECHANICAL PROPERTIES			
	Tensile Strength	Yield strength	Elongation
	(N/mm ²)	(N/mm ²)	%
	89,000 psi	72,000 psi	36%