

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
ENiCu-7	AWS A5.11
APPLICATIONS	
Used for welding materials of nickel-copper alloys to themselves. Can also be used for overlay of clad steels where nickel-copper surfacing is required.	

TYPICAL CHEMICAL COMPOSITION						
ELEMENT	C	Fe	Al	Ni	Mn	
AVERAGE	0.03	0.95	0.06	68.0	3.10	

ELEMENT	S	Ti	Si	P	Cu	
AVERAGE	0.006	0.68	0.90	0.008	28.0	

TYPICAL MECHANICAL PROPERTIES			
	Tensile Strength	Yield strength	Elongation
	(N/mm ²)	(N/mm ²)	%
	75,000 psi	51,500 psi	38%