

TECHNIWELDUSA

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TYPICAL MATERIAL TEST REPORT

ITEM CLASSIFICATION	
ALLOY	SPECIFICATION
ENi-1	AWS A5.11
APPLICATIONS	
For use in welding cast and wrought forms of commercially pure nickel. Can be used for dissimilar welding between nickel, steel, or stainless steels.	

TYPICAL CHEMICAL COMPOSITION						
ELEMENT	C	Fe	S	Mn		
AVERAGE	0.04	0.35	0.004	0.45		

ELEMENT	Ti	Ni	Si	P		
AVERAGE	1.05	97.6	0.50	0.01		

TYPICAL MECHANICAL PROPERTIES				
	Tensile Strength	Yield strength	Elongation	
	(N/mm ²)	(N/mm ²)	%	
	65,000 psi	58,000 psi	25%	