

TECHNIWELDUSA

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TYPICAL MATERIAL TEST REPORT

ITEM CLASSIFICATION	
ALLOY	SPECIFICATION
ER70S-2	AWS A5.18
APPLICATIONS	
Used for Tig and Mig welding.	

TYPICAL CHEMICAL COMPOSITION						
	ELEMENT	Si	Mn	P	Cu	C
	AVERAGE	0.45	1.15	0.012	0.35	0.05

	ELEMENT	S	Al	Zr	Ti	
	AVERAGE	0.012	0.09	0.04	0.06	

TYPICAL MECHANICAL PROPERTIES				
	Tensile Strength	Yield strength	Elongation	
	(N/mm ²)	(N/mm ²)	%	
	74,800 psi	62,000 psi	24%	

WELDING PROCESS		
Shielding Gas	Carbon Dioxide or Argon + Co2 or Argon + 2% Oxygen	