

TECHNIWELDUSA

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TYPICAL MATERIAL TEST REPORT

ITEM CLASSIFICATION	
ALLOY	SPECIFICATION
ER70S-6	AWS A5.18
APPLICATIONS	
For use in welding steels with moderate amounts of scale or rust.	

TYPICAL CHEMICAL COMPOSITION						
ELEMENT	C	Si	Mn	P	Cu	S
AVERAGE	0.09	0.95	1.65	0.012	0.35	0.018

TYPICAL MECHANICAL PROPERTIES			
	Tensile Strength	Yield strength	Elongation
	(N/mm ²)	(N/mm ²)	%
	78,000 psi	65,500 psi	24%

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