

Standard: AWS A5.18 ER70S-3	Chemical Composition %									
	C	Mn	Si	Cu	S	P	Ni	Mo	Cr	
Grade ER70S-3	0.06~0.15	0.90~1.40	0.45~0.75	≤ 0.50	≤ 0.035	≤ 0.025	≤ 0.15			
Type	Spool (MIG)				Tube (TIG)					
Specification (MM)	0.8、0.9、1.0、1.2、1.6、2.0				1.6、2.0、2.4、3.2、4.0、5.0					
Package	S100 / 1kg S270,S300 / 15kg-20kg				S200 / 5kg 5kg / box		10kg / box		length :1000MM	
Mechanical Properties	Tensile Strength Mpa		Yield Strength Mpa		Elongation A (%)		Impact Value KV2 (J) -20℃			
	≥ 480		≥ 400		≥ 22		≥ 27			
	Diameter (MM)		0.8	1.0		1.2		1.6		
MIG Welding	Welding Current A		50 – 100	50 – 220		80 – 350		170 – 550		
	CO2 Gas-flow L/min		15	15 – 20		15 – 25		20 – 25		
Performance characteristics	Carbon steel argon arc welding wire has excellent plasticity, toughness and crack resistance, especially high impact toughness at low temperature. Can be used for carbon steel and certain low-alloy steels.									
Application	1、Welding of various 500 N / mm2 tensile strength grade structural steel components.									
Notice	1、The product can be kept for two years under the condition of factory packing and sealed, and the packing can be removed for three months under the usual atmospheric environment. 2、Products should be stored in a ventilated, dry and place. 3、After the wire is removed from the package, it is recommended that appropriate dust proof cover be applied over the wire.									