



Changzhou Giant Welding Co.,Ltd
www.giantweld.com

Standard: AWS A5.18 ER70S-G	Chemical Composition %					
	C	Mn	Si	Ti	S	P
Company Standard	0.07~0.10	1.51~1.80	0.65~1.00	0.15~0.20	≤0.035	≤0.035
	Actually: As agreed between supplier and purchaser (Normal ER70S-6 + Ti)					
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		A (%)	KV2 (J) -30℃	
	≥ 480	≥ 400		As agreed between supplier and purchaser		
	Diameter (MM)	0.8	1.0	1.2	1.6	
MIG Welding	Welding Current A	50 – 100	50 – 220	80 – 350	170 – 550	
	CO2Gas-flow L/min	15	15 – 20	15 – 25	20 – 25	
Performance characteristics	The addition of trace Ti element ER70S-G on the basis of ER70S-6 can help to reduce the spatter in CO2 gas shielded welding. By optimizing the chemical composition of the welding wire, the welding spatter and the weld forming can be matched properly.					
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.					

