



# Changzhou Sanzhong Welding Materials Co.,Ltd

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Standard: AWS A5.10 ER1070	Chemical Composition %								
	Si	Fe	Cu	Mn	Zn	Mg	Ti	AL	Other Each
Grade ER1070	≤ 0.20	≤ 0.25	≤ 0.04	≤ 0.03	≤ 0.04	≤ 0.03	≤ 0.03	≥ 99.70	≤ 0.03
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	S100/0.5kg S270,S300/6kg-7kg		S200/2kg S360/20kg		5kg/box	10kg/box	length :1000MM		
Mechanical Properties	Fusion Temperature °C		Electrical IACS	Heat W/m.k	Tensile Mpa	Yield Mpa	Elongation %		
	646 – 657		62%	210 –230	60 – 80	30 – 55	25 – 35		
	Diameter (MM)		1.2		1.6		2.0		
MIG Welding	Welding Current - A		180 – 300		200 – 400		240 – 450		
	Welding Voltage- V		18 – 26		20 – 28		22 – 32		
TIG Welding	Diameter (MM)		2.0 – 2.4		2.4 – 4.0		4.0 – 5.0		
	Welding Current - A		150 – 250		200 – 300		220 – 400		
Performance characteristics	<p>Purity aluminium, Al ≥ 99.7%</p> <p>Excellent corrosion resistance, excellent thermal conductivity, electrical conductivity and excellent machinability.</p> <p>The welding seam is beautiful and bright, the arc is stable and the spatter is small.</p> <p>Good color matching after anodic treatment, recommended for welding 1000 series aluminum alloy.</p>								
Application	<p>Filling material for pure aluminum welding.</p> <p>It is widely used in connection of aluminum busbar and guide bar in electrolytic aluminum factory and welding of related aluminum alloy such as electric power.</p>								
Notice	<p>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.</p> <p>2、Products should be stored in a ventilated, dry and place.</p> <p>3、After the wire is removed from the package, it is recommended that appropriate dust proof cover be applied over the wire.</p>								



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