

Standard: AWS A5.10 ER1100	Chemical Composition %						
	Si + Fe	Cu	Mn	Zn	AL	Other Each	Other Total
Grade ER1100	≤ 0.95	0.05 – 0.2	≤ 0.05	≤ 0.10	≥ 99	≤ 0.05	≤ 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	S100/0.5kg 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	70 – 95	30 – 55	20 – 30	
	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 – 320		220 – 400	
Performance characteristics	<p>Purity aluminium, Al ≥ 99.0%</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>						