



# Changzhou Sanzhong Welding Materials Co.,Ltd

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Standard AWS A5.10 ER5356	Chemical Composition %										
	Si	Fe	Cu	Mn	Zn	Mg	Cr	Ti	AL	Other Each	Other Total
Grade ER5356	≤ 0.25	≤ 0.4	≤ 0.1	0.05 – 0.2	≤ 0.1	4.5 – 5.5	0.05 – 0.2	0.06 – 0.2	Rest	≤ 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	Density g/mm <sup>3</sup>	Tensile Mpa		Yield Mpa		Elongation %		
	574 – 638		29%	2.64	250 – 300		120 – 160		15 – 25		
	Diameter (MM)		1.2		1.6		2.0				
MIG Welding	Welding Current - A		180 – 300		200 – 400		240 – 450				
	Welding Voltage- V		18 – 28		20 – 24		22 – 34				
TIG Welding	Diameter (MM)		1.6 – 2.4		2.4 – 4.0		4.0 – 5.0				
	Welding Current - A		150 – 250		200 – 320		220 – 400				
Performance characteristics	<p>It is also called HS331, an aluminum alloy welding wire containing 5% magnesium. It has good corrosion resistance, thermal cracking resistance, high strength and good Forgability;</p> <p>The weld formation is beautiful and fine, the spatter is little, and the anodizing treatment is white;</p> <p>Can provide good color matching, is a widely used general purpose welding materials.</p>										
Application	It is also used in the welding of aluminum, silicon, magnesium, aluminum, zinc and magnesium alloy and the repair welding of aluminum and magnesium alloy castings.										
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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