



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

Standard: AWS A5.10 ER5556	Chemical Composition %											
	Si	Fe	Cu	Mn	Zn	Mg	Cr	Ti	AL	Other Each	Other Total	
Grade ER5556	≤ 0.25	≤ 0.40	≤ 0.10	0.50 – 1.0	≤ 0.25	4.7 – 5.5	0.05 – 0.2	0.05 – 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 ℃		Electrical IACS		Heat W/m.k		Tensile Mpa		Yield Mpa		Elongation %	
	572 – 633		29%		2.65		280 – 310		130 – 165		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	Aluminum magnesium wire containing 5% magnesium and 0.8% manganese has high strength, good corrosion resistance and crack resistance. Good welding performance, stable arc, fine appearance of weld, less spatter, white after anodizing.											
Application	For welding 5XXX series,which has high strength aluminum-magnesium alloys, such as 5083&5456. Widely used in the military industry, storage tanks, shipbuilding, marine engineering and air separation and other related aluminum alloy welding.											
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.											

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