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 S200/2kg S270,S300/6kg-7kg 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.