

# RAAJMIG5356

**CLASSIFICATION** : AWS/SFA-5.10 ER5356, ISO 18273 S AI5356

**CHARACTERISTICS** : ER 5356 is a general-purpose type aluminum alloys which is typically chosen for its relatively high shear strength. In addition, it also offers excellent corrosion resistance when exposed to salt water. ER 5356 should be considered for welding 5000 series aluminum base metals

**APPLICATION** : Suitable for welding selected grade of wrought Al/Mg alloys including 5083, 5056 and 5456

**CHEMICAL COMPOSITION % TYPICAL WIRE**

Al	Si	Fe	Cu	Mn	Mg	Zn	Ti
Bal	0.25 max	max0.4	max0.10	0.05 to 0.20	4.5 to 5.5	max0.1	0.06 to 0.20

**MECHANICAL PROPERTIES TYPICAL ALL WELD METAL**

	Shielding GAS	Condition	Yield strength N/mm2	Tensile strength N/mm2	Elongation %
<b>TYPICAL VALUE</b>	100%Ar	AW	130 Average	262 Average	3-18

DIA MM		PACKING TYPE PLASTIC SPOOL		WEIGHT/SPOOL		
0.80MM	0.030"	DIN 100	DIN 200	1 LBS	5 LBS	---
1.0MM	0.040"	DIN 100	DIN 200	1 LBS	5LBS	----
1.20MM	0.047"	DIN 100	DIN 200	-----	5 LBS	-----

Size (mm)	Size (inch)	Length (mm)	Length (Inch)	Tube Packing 5 LBS	Box Packing 20 LBS
1.60	1/ 16"	1000	36"	√	√
2.0	5/ 64"	1000	36"	√	√
2.4/ 2.5	3/ 32"	1000	36"	√	√
3.2	1/ 8"	1000	36"	√	√

**Customer packing on request**