

# ER 5356 MIG & TIG

**Classifications:**  
 AWS A5.10 ER5356  
 AL.Mg.5

Aluminium & Alloy Welding wire

## Characteristics and Applications:

This type of product is widely used in general welding material with the Magnesium of 5%, which can be used in jointing or overlay forging and casting alloys processing. And high toughness, good forgeability, and well anti-corrosiveness. Applicable in construction of Ships, Storage Tanks, Railway and Automotive Industries.

Welding Position: 

## Typical Chemical Composition of All-Weld Metal:

Si	Fe	Cu	Mn	Mg	Cr	Zn	Be	Ti	Others
<0.25	<0.40	<0.10	0.05-0.2	4.5-5.5	0.05-0.20	<0.10	<0.0003	0.06-0.2	<0.05

## Mechanical Properties of All-Weld Metal:

0.2% Yield strength Rp0.2(MPa)	Tensile Strength Rm(MPa)	Elongation A5(L0=5d0)%	Test Temperature (°C)
110	240	17	20

### Notes:

- \* Shielding Gas : Argon, Helium or Argon/Helium-mixture.
- \* Dimensions(mm) : MIG wire..... 0.8, 1.0, 1.2, 1.6  
 TIG rods..... 1.6, 2.0, 2.4, 3.2, 4.0
- \* Packing : MIG wire....0.5Kg/S100, 7Kg/S300.  
 TIG rods.... 5/10Kg Length....1000mm.