

# ER 4043 MIG & TIG


**Classifications:**  
 AWS A5.10 ER4043  
 AL.Si.5

Aluminium & Alloy Welding wire

## Characteristics and Applications:

This type of product can be used in forging and casting alloys. This wire excellent for the alloys container upto 7% of Silicon. Due to high percentage of Silicon this wire is good for anti-thermal crack.

Application: Engine repair, Food Industry, Furniture Industry, Vessel & Container.

Welding Position: 

## Typical Chemical Composition of All-Weld Metal:

Si	Fe	Cu	Mn	Mg	Zn	Be	Ti	Others	Others Total
4.50-5.50	<0.80	<0.30	<0.05	<0.05	<0.10	<0.0003	<0.20	<0.05	<0.15

## Mechanical Properties of All-Weld Metal:

0.2% Yield strength Rp0.2(MPa)	Tensile Strength Rm(MPa)	Elongation A5(L0=5d0)%	Test Temperature (°C)
40	120	8	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.