



TIGFIL 4043

GTAW ALUMINIUM ALLOYS

AWS A/SFA 5.10 **ER4043**

CLASSIFICATION:

EN ISO 18273
S Al 4043 (AlSi5)

KEY FEATURES:

- Al/5Si solid wire
- Excellent feedability with consistent welding performance
- Excellent resistance to hot cracking
- Most widely used general purpose filler alloy
- Si addition improves fluidity
- Radiographic weld quality


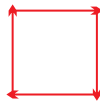
TYPICAL APPLICATIONS:

- Welding of wrought and cast Al alloys with Si up to 7%
- Suitable for Al-Si and Al-Mg-Si alloys
- Ship Building, Mobile Machinery
- Automotive, General Fabrication
- Welding of similar grade Al alloys in the form of pipe, plate, forging and casting

CHEMICAL COMPOSITION OF BARE SOLID WIRE, Wt %:

| Si | Fe | Cu | Mn | Mg | Zn | Ti | Al |
|---------|---------|---------|----------|---------|----------|----------|------|
| 4.5-6.0 | 0.8 max | 0.3 max | 0.05 max | 0.05max | 0.10 max | 0.20 max | Bal. |

PARAMETERS - PACKING DATA:

| Ø x L, mm | Net Wt., Kg7 | | |
|------------|--------------|---|--|
| 1.6 x 1000 | 8 |  AC STORAGE / HANDLING : Keep dry and follow handling instructions mentioned on the box | All Positions  |
| 2.0 x 1000 | 8 | | |
| 2.4 x 1000 | 8 | | |

| Shielding Gas | Gas Flow Rate, LPM |
|---------------|--------------------|
| Ar | 10-15 |

Available in Standard carton packing of 8 kg box, containing 4 plastic tubes of 2 kg each.