

## TAL 4043

TIG Welding Wire - Aluminium Alloys

### Standards

|                      |                   |
|----------------------|-------------------|
| AWS/ASME SFA - 5.10  | ER4043            |
| EN ISO 18273         | S Al 4043 (AlSi5) |
| TS 6204 EN ISO 18273 | S Al 4043 (AlSi5) |
| DIN M. No.           | 3.2245            |

### Applications

5% Silicon containing aluminium welding rod for GTA (TIG) welding of aluminium and aluminium alloys. Suitable for welding aluminium castings containing up to 7% silicon and Al-Mg-Si alloys which are containing < 2 % alloying elements.

### Materials

| DIN         | Material |
|-------------|----------|
| G-AlSi 5 Mg | 3.2341   |
| AlMgSi 0.5  | 3.3206   |
| AlMgSi 0.7  | 3.3210   |
| AlMgSi 1    | 3.2315   |

### Typical Mechanical Values of Weld Metal

| Test Condition | Protection Gas | Akma Dayanımı (N/mm <sup>2</sup> ) | Tensile Strength (N/mm <sup>2</sup> ) | Elongation A5 (%) |
|----------------|----------------|------------------------------------|---------------------------------------|-------------------|
| As welded      | I1             | > 40                               | > 120                                 | > 8               |

\* Kimyasal kompozisyon ve mekanik özellikler EN ISO 14175 - I1 (%100 Ar) koruyucu gazının kullanılması durumunda geçerlidir.

### Application Information

#### Welding Positions



#### Polarity:



#### Protection Gas:

I1

#### Welding Parameters & Efficiency

##### Diameter x Length (mm)

1.60x1000

2.00x1000

2.40x1000

3.20x1000

4.00x1000

### Packaging Information

| Product Code | Diameter x Length (mm) | Quantity per Box | Box Gross Weight (Kg) | Boxes per Outer Box | Outer Box Gross Weight (Kg) | Packaging Type |
|--------------|------------------------|------------------|-----------------------|---------------------|-----------------------------|----------------|
| 2413108M15   | 1.60x1000              | 3 KG             | 2.80                  | 4                   | 11.30                       | Cardboard Tube |
| 2413110M15   | 2.00x1000              | 3 KG             | 2.80                  | 4                   | 11.30                       | Cardboard Tube |
| 2413111M15   | 2.40x1000              | 3 KG             | 2.80                  | 4                   | 11.30                       | Cardboard Tube |
| 2413114M15   | 3.20x1000              | 3 KG             | 2.80                  | 4                   | 11.30                       | Cardboard Tube |
| 2413116M15   | 4.00x1000              | 3 KG             | 2.80                  | 4                   | 11.30                       | Cardboard Tube |