

Tigrod 1450

Tigrod 1450 is highly resistant to chemical attack and weathering. The alloy has a small addition of titanium, which has a grainrefining effect, which reduces the cracking susceptibility. It has good welding characteristics. A desirable characteristic of the alloy is the bright finishes obtained by anodising. Non Heat treatable.

Specifications

| | |
|------------------------|-------------------------------------|
| Classifications | EN ISO 18273 : S Al 1450 (Al99,5Ti) |
| Alloy Type | Al |
| Shielding Gas | I1, I3 (EN ISO 14175) |

Typical Tensile Properties

| Condition | Yield Strength | Tensile Strength | Elongation |
|-----------|----------------|------------------|------------|
| As Welded | 40 MPa | 90 MPa | 35 % |

Typical Wire Composition %

| Mn | Si | Al | Cu | Ti | Zn | Fe |
|------|------|------|------|------|------|------|
| 0.02 | 0.02 | 99.8 | 0.01 | 0.12 | 0.01 | 0.16 |