

Wire type:
MIG Solid wire

Current:



Welding positions:



Shielding gas:
I1-I3

AISi5 is aluminium wire for MIG welding, repairing and surfacing forged and cast aluminium-silicon alloys and joining dissimilar aluminium alloys with maximum 7%Si content. The easy flowing characteristics make the wire suitable for welding all aluminium castings (except AlMg castings).

Base materials to be welded:

- Aluminium-MgSi alloys
- Aluminium-Mg alloys up to 2,5% Mg
- Aluminium-MnCu alloys
- Aluminium-Si cast alloys
- Joining dissimilar aluminium alloys

Applications:

- General fabrication & construction (aluminium base metals)
- Shipbuilding & Offshore
- Repair & Maintenance

Chemical composition, wt.% weld metal – typical:

| Mn | Si | Fe | Cu | Al |
|--------|-----|--------|--------|------|
| ≤ 0,15 | 5,0 | ≤ 0,60 | ≤ 0,30 | Bal. |

Mechanical properties, weld metal – typical:

| Condition | 0,2% Yield strength MPa | Tensile strength MPa | Elongation Lo=5d - % | Physical properties | |
|-----------|----------------------------|-------------------------|-------------------------|----------------------------|-----------------------------------|
| | | | | Melting range 573-625°C | Density 2,68 g/cm ³ |
| As welded | ≥ 40 | ≥ 120 | ≥ 8 | | |

Packaging data:

| Dia. mm. | Spool type | Weight / spool kg. |
|-------------|------------|-----------------------|
| 1,2 | BS300 | 7 |