

# ST-347

Classification

|     |                         |
|-----|-------------------------|
| AWS | A5.9/ASME SFA-5.9 ER347 |
| JIS | Z 3321 Y347             |
| EN  | ISO 14343-A-W 19 9 Nb   |
| KS  | D7026 Y347              |

Features

- Resistance to crack is good
- Nb contents improves corrosion resistance and heat resistance

Current

DC -

Application Areas

- Boiler and gas turbine

Shielding Gas

100% Ar

Approvals

|     |
|-----|
| ABS |
| ✓   |

Typical Chemical Composition of the Wire (wt%)

| C    | Si   | Mn  | Cu   | Ni  | Cr   | Mo   | Nb  |
|------|------|-----|------|-----|------|------|-----|
| 0.05 | 0.41 | 1.6 | 0.09 | 9.1 | 19.2 | 0.06 | 0.7 |

Typical Mechanical Properties of All-Weld Metal

| Tensile Strength<br>MPa(ksi) | Elongation<br>(%) |
|------------------------------|-------------------|
| 730 (106)                    | 32                |

Wire Diameter & Packaging

| Wire Diameter<br>mm(in) | Packaging       |
|-------------------------|-----------------|
| 1.6 (1/16)              | 5kg(11lbs)*1000 |
| 2.0 (5/64)              |                 |
| 2.4 (3/32)              |                 |
| 2.6 (0.10)              |                 |
| 3.2 (1/8)               |                 |

SMW

GMW

GTAW

FCW

Metal-cored Wire

SAW Wire

SAW Flux