

GETIG 70SG

IDENTIFICATION

GETIG 70SG, ER 70SG

CLASSIFICATION

AWS A-5.18 Class ER 70S6

DESCRIPTION

- General purpose TIG Welding Rod for welding of plates, pipes and tubes.
- Smooth flow, gives shiny welds of radiographic quality.
- Also suitable for Gas welding.

CHEMICAL ANALYSIS (RANGE) %

| C | Mn | Si | S | P | Cu |
|----------|-------------|-------------|----------|----------|----------|
| 0.10 max | 1.30 - 1.70 | 0.40 - 0.90 | 0.03 max | 0.03 max | 0.50 max |

MECHANICAL PROPERTIES (RANGE)

| TS (MPa) | YS (MPa) | EL (%) (L=4D) | CVN Impact Value | |
|-----------|-----------|---------------|------------------|----------|
| | | | Temp | Joules |
| 500 - 600 | 430 - 540 | 24 - 30 | 20°C | 80 - 140 |
| | | | 0°C | 60 - 120 |

TYPICAL APPLICATIONS

- General purpose TIG welding of the following grades of steel in the form of plates, pipes and tubes.
- ASTM A-285 Gr. C, A-515 Gr. 60, A-515 Gr. 70, A-516 Gr. 60 / Gr. 70f
- DIN 17155 Gr. II, Gr. III, Gr. IV, etc.
- ASTM A-106 Gr. B, A-53 Gr. B etc
- ASTM A-179, ASTM A-214, etc

SHIELDING GAS : Argon

PACKING PARAMETERS

| Size (mm) | Length (mm) | Packing / Pkt (kg) | Packing / Box (kg) |
|-------------|-------------|--------------------|--------------------|
| 1.6 | 1000 | 5 | 5 x 4 = 20 |
| 2 | 1000 | 5 | 5 x 4 = 20 |
| 2.40 / 2.50 | 1000 | 5 | 5 x 4 = 20 |
| 3.15 / 3.20 | 1000 | 5 | 5 x 4 = 20 |