

# GETIG TI-2

## TIG WELDING FILLER WIRE

### IDENTIFICATION

Getig Ti-2, ERTi-2

### CLASSIFICATION

AWS/SFA 5.16: ER Ti -2

### DESCRIPTION

Getig Ti 2 is specially made TIG wire for welding of unalloyed grade of Titanium metal. The wire is used for fabrication of process equipments like pressure vessel, column, tanks, heat-exchanger etc. Care should be taken during welding specially cooling of the weld metal under protection of ultra-high pure grade of shielding gas such as argon.

### CHEMICAL ANALYSIS (RANGE) %

| C        | O         | N         | H         | Fe       | Ti   |
|----------|-----------|-----------|-----------|----------|------|
| 0.03 max | 0.08-0.16 | 0.015 max | 0.008 max | 0.12 max | Rem. |

### TYPICAL APPLICATIONS

Welding of commercial grade of Titanium, process equipment, pressure vessel, columns, tanks, heat-exchangers, shafts blowers, fans. tubing, valves, fitting, pipes etc.

### SPECIAL RECOMMENDATION

- The Titanium metal should be free of thick oxide, water, grease, dirt etc. therefore chemical cleaning is required prior to welding.
- The filler metal (wire) should be chemically cleaned and should be free of oxides, dirt, moisture etc.
- The weld metal need to be shielded from the ambient air atmosphere by auxiliary inert gas shielding until it has cooled below 400°C.

**SHIELDING GAS :** Ultra high pure grade of Argon, 99.999% Pure.

### PACKING PARAMETERS

| Size (mm)   | Length (mm) | Packing / Pkt (kg) | Packing / Box (kg) |
|-------------|-------------|--------------------|--------------------|
| 1.6         | 1000        | 2                  | 2 x 4 = 8          |
| 2           | 1000        | 2                  | 2 x 4 = 8          |
| 2.40 / 2.50 | 1000        | 2                  | 2 x 4 = 8          |
| 3.15 / 3.20 | 1000        | 2                  | 2 x 4 = 8          |