

# GETIG TI-1

## TIG WELDING FILLER WIRE

### IDENTIFICATION

Getig Ti-1, ERTi-1

### CLASSIFICATION

AWS/SFA 5.16: ER Ti -1

### DESCRIPTION

Getig Ti -1 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	0.03-0.10	0.012 max	0.005 max	0.08 max	Rem.

### TYPICAL APPLICATIONS

- Used where highest ductility is required, explosive cladding, loose linings, expanded metal and deep drawing application.
- Used in electrolytic application like coated anodes, substrates for production of chlorine and sodium chlorates.

### 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