

GETIG TI-5

TIG WELDING FILLER WIRE

IDENTIFICATION

Getig Ti-5, ERTi-5

CLASSIFICATION

AWS/SFA 5.16: ER Ti -5,
chemical alloy symbol: TiAl6V4B

DESCRIPTION

Getig Ti-5 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	Al	V	Ti
0.05 max	0.12 - 0.20	0.030 max	0.015 max	0.22 max	5.5 - 6.75	3.5 - 4.5	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