

## **Swastik Weld** Make Welding Wire GMAW/GTAW (MIG & TIG) for Titanium Wire

### **I) TITANIUM GRADE-1 KEY FEATURES :**

Titanium grade 1 (ERTi-1) alloy is commonly referred to as commercially pure (C.P.) titanium with the level of impurities and mechanical properties increasing slightly from ERTi-1 to ERTi-4. C.P.

Titanium grade 1 Welding Rods Filler Metal is used for gas-tungsten-arc-welding (GTAW) and plasma-arc-welding (PAW).

#### **Applications:**

is typically used in seawater and brackish water heat exchangers, chemical process heat exchangers, pressure vessels and piping systems, pulp bleaching systems, air pollution scrubbers, and electrochemical and chemical storage tanks. These grades also have some uses in the aerospace industry.



#### **Typical Chemical Compositions %:**

C 0.03 - O 0.03/0.10 - N 0.012 - H 0.005 - Fe 0.08 - Ti rem.

#### **TYPICAL MECHANICAL PROPERTIES:**

Tensile strength: 240 MPa (34,800 psi)

Yield strength: 170 MPa (24,650 psi)

Elongation: 24%

Packing: Tig: In cut length of 1000mm in 5kgs boxes (size: 1.6, 2.0, 2.40, 3.15mm)

Mig: Continuous wire in 12.5kgs / 15kgs Plastic Spool (size: 0.80, 1.2mm)

**Works: Gala No. 19, Syndicate Indl. Complex, Near Golani Naka, Near Bank of Maharashtra,  
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