

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

II) TITANIUM GRADE-2 KEY FEATURES:

Titanium grade 2 (ERTi-2) 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.

Description:

Titanium grade 2 Welding Rods Filler Metal is used for gas-tungsten-arc-welding (GTAW), gas-metal-arc-welding (GMAW) and plasma-arc-welding (PAW).

Titanium Grade 2 is the most widely used titanium alloy for industrial applications because of its good balance of strength, formability, and weldability. Applications:

Titanium Grade 2 is typically used in seawater and brackish water heat exchangers, chemical process heat exchangers, pressure vessels and piping systems, pulp bleaching systems, air pollution control scrubbers, and electrochemical and chemical storage tanks. These grades also have some uses in the aerospace industry.

Typical Chemical Compositions %:

C 0.03 - O 0.10 - N 0.020 - H 0.008 - Fe 0.20 - Ti rem.

TYPICAL MECHANICAL PROPERTIES:

Tensile strength: 340 MPa (50,000 psi)

Yield strength: 275 MPa (40,000 psi)

Elongation: 20%

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)

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