

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

III) TITANIUM GRADE-5 KEY FEATURES :

Titanium grade 5 (ERTi-5) alloy is commonly referred to as "6-4" titanium and is probably the most widely used titanium alloy. Its high strength, ability to be heat treated, weldability, excellent fatigue strength, and hardness make this alloy excellent for aerospace and industrial applications.



Applications:

Titanium Grade 5 is typically used for industrial fans, pressure vessels, aircraft components, compressor blades, and automotive and jet engine parts.

Typical Chemical Compositions %:

Al 5.5/6.5 - C 0.05 - O 0.18 - N 0.030 - H 0.015 - Fe 0.30 - V 3.5/4.5 - Ti
rim. -Yt 0.005

TYPICAL MECHANICAL PROPERTIES:

Tensile strength: 895 MPa (130,000 psi)

Yield strength: 830 MPa (120,000 psi)

Elongation: 10%

Hardness: 300-340 Hv

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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