

STRONG TI-12 HEATX

CLASSIFICATION: AWS SFA 5.16 ERTi-12

Titanium alloy Solid Wire For MIG & TIG Welding



CHARACTERISTICS

STRONG Ti-12 HeatX is a titanium alloy filler wire containing Molybdenum and Nickel, specifically developed for improved corrosion resistance in elevated temperature and aggressive chemical environments. It offers superior resistance to crevice corrosion, pitting, and reducing acids, making it an ideal choice for heat exchangers, desalination systems, and chemical processing equipment.

APPLICATIONS

The most common applications of STRONG Ti-12 HeatX are in Heat exchangers & condensers, Desalination plants, Chemical processing equipment, Offshore and marine systems, Pressure vessels in corrosive environments. Base Materials Recommended: Titanium Grade 12, Titanium Grade 2 (for enhanced corrosion resistance in weld zone).

TYPICAL WIRE CHEMISTRY (%)

| C | O | N | H | Fe | Ni | Mo | Ti |
|-------------|---------------|--------------|--------------|-------------|---------------|---------------|---------|
| 0.03 MAX | 0.08- 0.16 | 0.015 MAX | 0.008 MAX | 0.15 MAX | 0.60- 0.90 | 0.20- 0.40 | BALANCE |

ALL WELD MECHANICAL PROPERTIES

| Typical as per AWS 5.16 | Y.S. | U.T.S. | ELONGATION |
|----------------------------|------|--------|------------|
| | MPa | MPa | % |
| | 465 | 610 | 28 |

PACKAGING SPECIFICATIONS - MIG

DIA SIZE 0.80MM / 1.00MM / 1.20MM / 1.60MM / 2.00MM

SPOOL WEIGHT 1KGS / 5KGS / 12.5KGS / 15KGS

PACKAGING SPECIFICATIONS - TIG

DIA SIZE 1.60MM / 2.00MM / 2.40MM / 3.15MM / 4.00MM

WEIGHT 5KGS / 20KGS