

STRONG TI-11

CLASSIFICATION: AWS SFA 5.16 ERTi-11

Titanium alloy Solid Wire For MIG & TIG Welding



CHARACTERISTICS

STRONG Ti-11 is a palladium-enhanced titanium filler wire designed to deliver improved corrosion resistance over commercially pure titanium, while being a more economical alternative to ERTi-7 (higher Pd content). With controlled palladium addition, it offers enhanced resistance to reducing acids, crevice corrosion, and chloride environments, making it suitable for chemical processing and marine applications where cost-performance balance is critical.

APPLICATIONS

The most common applications of STRONG Ti-11 are in Chemical processing equipment, Acid handling systems, Heat exchangers in corrosive environments, Marine and offshore components, Desalination plants. Base Materials Recommended: Titanium Grade 11, Titanium Grade 2 (for enhanced corrosion resistance in weld zone).

TYPICAL WIRE CHEMISTRY (%)

C	O	N	H	Fe	Pd	Ti
0.03 MAX	0.03-0.10	0.012 MAX	0.005 MAX	0.08 MAX	0.12-0.25	BALANCE

ALL WELD MECHANICAL PROPERTIES

Typical as per AWS 5.16	Y.S.	U.T.S.	ELONGATION
	MPa	MPa	%
	260	475	32

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