

ALTIG AI99.5

TIG Rods

Aluminum alloys

ALTIG AI99,5 is a 1450 type aluminum solid TIG welding rod depositing a 99,5% Aluminum weld metal. Suitable for use with Ar, or Ar+He mixed shielding gases.

ALTIG AI99.5 is used for welding of commercially pure aluminium in both wrought and cast forms.

ALTIG AI99.5 is a Ti-microalloyed welding wire, with good corrosion resistance. The Ti addition reduces the crack sensitivity of the weld metal.

TIG rod for welding 99.5-99.8% aluminum. Good weldability and magnetic permeability. Excellent corrosion resistance.

Classification

EN ISO 18273: S Al 1450 (Al99.5Ti)



Chemical analysis (Typical values in %)

Al	Si	Ti
Rem	0.3	0.15

All-weld metal Mechanical Properties

Heat Treatment	Yield Strength (N/mm ²)	Tensile Strength (N/mm ²)	Elongation A5 (%)
As Welded	≥ 20	≥ 65	≥ 35

Gas test: 100% Ar

Shielding Gas - EN ISO 14175 : I1

Materials

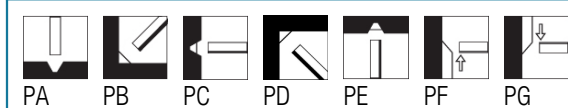
Al 99.5; Al99; Al99.9Mg0.5; AlMg0.5

Storage

Keep dry and avoid condensation

Current condition and welding position

AC



Packaging data

Diam. (mm)	Packaging Type	Weight (kg)	Code
2.4	TUB	5	W000283554
3.2	TUB	5	W000283555