

ALUFIL AI 99,5 TI

MIG-MAG Wires Aluminum alloys

Alufil AI 99,5Ti is a solid wire which deposits a 99,5% Al composition. Suitable for welding aluminium and pure aluminium alloys. Good mechanical properties and magnetic permeability. Excellent resistance to chemical corrosion.

Classification

EN ISO 18273: S Al 1450

Approvals

TÜV

Grades

see Appendix, Classification Society Approvals, for details pag. 521

Analysis of all-weld metal (Typical values in %)

C	Mn	Si	P	S	Cr	Zn	Ti	Mg	Fe	Cu	Al
-	0.05	0.20	-	-	-	-	0.15	-	-	≤ 0.05	Rem

All-weld metal Mechanical Properties

Heat Treatment	Yield Strength N/mm ²	Tensile Strength N/mm ²	Elongation A5 (%)	Impact Energy ISO - V (J)	Hardness
As Welded	≥ 20	≥ 65	≥ 35	-	-

Gas test: Acc. To EN 439: I1(Arcal1)

Shielding Gas: Acc. To EN 439: I1(Arcal1)

Materials

3.0805

Al 99,5 ;Al 99; Al 99,9 Mg 0,5; AlMg 0,5

Storage

Keep dry and avoid condensation.

Current condition and welding position

DC+



Packaging data: BS300 Kg. 7

Diameters	1,2	1,6				