Al SAFRA 99,5Ti/1450

DESCRIPTION

Aluminium wires and rods for welding of alloys with mostly pure aluminium basis (maximum 0,5% of alloyed elements). Titanium acts as-grain refiner offering the material special characteristics as, for example, a higher corrosion resistance. Applications in the chemistry, construction and food industry.

AWS A5.10/A5.10M
ER1450,R1450

EN ISO 18273
S Al 1450 / Al99,5Ti

MATERIALS TO BE WELDED

Al.99,0 / Al.99,5 / Al.99,7 / E-Al.

SHIELDING GASES FOR GMAW/GTAW

I1, I2, I3

MINIMAL VALUES OF THE MECHANICAL PROPERTIES (*welded metal*)

Tensile strenght Rm:	65 N/mm²
Yeld strenght Rp 0,2:	20 N/mm²
Elongation L=5d:	35%

AVAILABLE SIZES*

MIG: 5-6-7 Kg D300 or K300/KS300 spools
Diameter of the wire
0,8 mm - 0,9 mm - 1,0 mm - 1,2 mm - 1,6 mm - 2,0 mm - 2,4 mm

TIG carton box of 10 Kg (x 1000 mm length)
Diameter of the rods
1,6 mm - 2,0 mm - 2,4 mm - 3,2 mm - 4,0 mm - 5,0 mm

MINI-MIG: 0,5 Kg D100 spools / 2 Kg D200 spools
Diameter of the wire
0,8 mm - 0,9 mm - 1,0 mm - 1,2 mm - 1,6 mm

* *More diameters and packaging upon request*

CHEMICAL COMPOSITION
in % (m/m)[(a)]

Al	low 99,5
Si	0,25
Fe	0,40
Cu	0,05
Mn	0,05
Mg	0,05
Zn	0,07
Ti	0,10 - 0,20
Be	0,0003
	others total 0,03

(a) Single values shown in the table are maximum values, unless otherwise noted.

Safra
ALUMINIUM • COPPER ALLOYS WELDING WIRE