

# 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

1, 12, 13

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

Tensile strenght Rm:	65 N/mm <sup>2</sup>
Yeld strenght Rp 0,2:	20 N/mm <sup>2</sup>
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

### CHEMICAL COMPOSITION

in%(m/m)<sup>(a)</sup>

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

*[a] Single values shown in the table are maximum values, unless otherwise noted.*

\* More diameters and packaging upon request