



SAFRA Al.99,7/1070

A.W.S. /ASTM A5.10:
Nearest equivalent
material ER 1100

DIN EN ISO 18273:
S Al 1070 / Al99,7

DESCRIPTION

Aluminium wires and rods for welding alloys with mostly pure aluminium basis (maximum 0,5% of alloyed elements). Applications in chemistry, electronics, construction and food industries.

CHEMICAL COMPOSITION

Al ≥99,7

Si <0,20

Fe <0,25

Cu <0,04

Mn <0,03

Mg <0,03

Zn <0,04

Ti <0,03

Be <0,0003

V <0,05

OTHERS EACH <0,03

OTHERS TOTAL <0,03

MATERIALS TO BE WELDED

Al.99,0

Al.99,5

Al.99,7

E-Al.

SHIELDING GASES FOR GMAW/GTAW

Ar 99,99% min.

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: 6-7 Kg D300 or K300/KS300 Spools

TIG carton box of 10 kg
(x 1000 mm length)

DIAMETER OF THE WIRE

0,8 mm - 1,0 mm - 1,2 mm - 1,6 mm - 2,0 mm - 2,4 mm

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

DIAMETER OF THE WIRE

0,8 mm - 1,0 mm - 1,2 mm

MORE DIAMETERS AND PACKAGING UPON REQUEST