

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.

AWS A5.10/A5.10M
ER1070,R1070

EN ISO 18273
S AL 1070 / Al99,7

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:	60 N/mm ²
Yeld strenght Rp 0,2:	-
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 99,70
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

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