

DESCRIPTION

Aluminium wires and rods for welding alloys with aluminium and magnesium basis, with maximum 5% Magnesium. High corrosion resistance. Applications in the construction of ships, storage tanks, railways and in the automotive industry.

AWS A5.10/A5.10M
ER 5356, R5356

EN ISO 18273
S Al 5356 / AlMg5Cr(A)

MATERIALS TO BE WELDED

Al Mg 3 / Al Mg 5 / Al Mg Mn / Al Zn Mg 1 / G-Al Mg 3 Si / G-Al Mg 5 Si
G-Al Mg 10 / Al Mg 1 Si Cu / Al Mg Si 0,7

SHIELDING GASES FOR GMAW/GTAW

I1, I2, I3

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

Tensile strenght Rm: 250 N/mm²
Yeld strenght Rp 0,2: 120 N/mm²
Elongation L=5d: 18 %

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	remainder
Si	0,25
Fe	0,40
Cu	0,10
Mn	0,05 - 0,20
Mg	4,5 - 5,5
Cr	0,05 - 0,20
Zn	0,10
Ti	0,06 - 0,20
Be	0,0003
	others each 0,05
	others total 0,15

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