

DESCRIPTION

Aluminium wires and rods for welding alloys with maximum 2% alloying elements and for aluminium alloys containing up to 7% of Si. Excellent flowability and penetration characteristics. Applications in the construction sector and in the automotive industry.

AWS A5.10/A5.10M
ER4043A, R4043A

EN ISO 18273
S Al 4043A / AlSi5(A)

MATERIALS TO BE WELDED

Al Si 5 / Al Mg Si 0,5 / Al Mg Si 0,8 / Al Mg Si 1 / Al Zn Mg / Al Cu Mg /
(after anodizing welding will be of a dark grey colour)

SHIELDING GASES FOR GMAW/GTAW

11, 12, 13

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

Tensile strenght Rm:	120 N/mm ²
Yeld strenght Rp 0,2:	40 N/mm ²
Elongation L=5d:	8%

AVAILABLE SIZES*

MIG: 5-6-7 Kg D300 or K300/KS300 spools

Diameter of the wire

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

1,00 mm - 1,2 mm - 1,6 mm

CHEMICAL COMPOSITION

in% (m/m)^(a)

Al	remainder
Si	4,5 - 6,0
Fe	0,60
Cu	0,30
Mn	0,15
Mg	0,20
Zn	0,10
Ti	0,15
Be	0,0003
	others each 0,05
	others total 0,15

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

* More diameters and packaging upon request