

SAFRA

Al.Mg.5/ER 5356

A.W.S. /
ASTM A5.10
ER 5356

DIN EN ISO 18273:
S Al5356-AlMg5Cr A

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.

CHEMICAL COMPOSITION

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 tot.	<0,15

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 Mg10
Al Mg 1 Si Al Mg Si 0,7
Cu

SHIELDING GASES FOR GMAW / GTAW

Ar 99,99% min.
Ar 75% + He 25%
Ar 50% + He 50%

MINIMAL VALUES OF THE MECHANICAL PROPERTIES (WELDED METAL)

Tensile strength Rm: 240N/mm²
Yeld strength Rp 0,2: 110N/mm²
Elongation L=5d: 17%

AVAILABLE SIZES

MIG: 6-7 Kg D300 or
K300/KS300 Spools

WIRE 0,8 1,0 1,2 1,6 2,0 2,4
DIAMETER mm mm mm mm mm mm

10 Kg TIG Carton box (length
1000 mm)

RODS 1,6 2,0 2,4 3,2 4,0 5,0
DIAMETER mm mm mm mm mm 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



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