

DESCRIZIONE

Welded aluminium applications are found in all structural field but especially in those that take full advantage of the metal's light weight, combined with high corrosion resistance and mechanical properties.

Almg6zr welding wire is the most appropriate filler material when the optimum combination of strength, ductility and corrosion resistance are to be achieved.

EN ISO 18273:2015
S AL Z – ALMg6Zr

MECHANICAL PROPERTIES OF PURE WELD METAL COMPARISON BETWEEN (INDICATIVE VALUES):

Al.Mg. 4,5 Mn

275 - 300 N/mm²

TENSILE STRENGTH

125 - 150 N/mm²

YIELD STRENGTH

16% - 26%

YIELD STRENGTH

ALMg6Zr

280 - 365 N/mm²

140 - 200 N/mm²

20% - 30%

TYPICAL CHEMICAL COMPOSITION: in%(m/m) ^(a)

Fe	<0,20
Cu	<0,05
Mn	0,80-0,90
Mg	5,50-6,10
Zn	<0,20
Ti	0,02-0,20
Cr	<0,03
Be	<0,0003
Zr	0,08-0,12
	altri singoli <0,05
Al	others

AVAILABLE SIZE

Diameter of the wires: 1,2 – 1,6mm
Diameter of the rods: 1,6 – 2,0 – 2,4 – 3,2 – 4,0mm

* Other diameters: upon request.

Packaging:

Wire: D300 6-7kg / K300 7kg / KS300 7kg
Rods: 10kg carton boxes.

* Other diameters: upon request.

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