



S Al 5356 (AlMg5Cr(A)) ER 5356

**ALLUMINIO
DA SALDATURA**

NORME DI RIFERIMENTO:

EN ISO 18273:04

AWS A5.10:12

CERTIFICATIONS: ABS - TÜV - RINA

MARKETS: SHIPYARDS, TANKS, RAILWAYS,
AUTOMOTIVE SECTOR

CHEMICAL COMPOSITION OF THE WIRE (wt.-%):

Elements	ALLUMINIUM		EN ISO		AWS	
	Min	Max	Min	Max	Min	Max
Si	-	0,25	-	0,25	-	0,25
Fe	-	0,40	-	0,40	-	0,40
Cu	-	0,10	-	0,10	-	0,10
Mn	0,05	0,20	0,05	0,20	0,05	0,20
Mg	4,50	5,50	4,50	5,50	4,50	5,50
Cr	0,05	0,20	0,05	0,20	0,05	0,20
Zn	-	0,10	-	0,10	-	0,10
Ti	0,06	0,20	0,06	0,20	0,06	0,20
Be	-	0,0003	-	0,0003	-	0,0003
Other each	-	0,05	-	0,05	-	0,05
Other total	-	0,15	-	0,15	-	0,15
Al	rem.		rem.		rem.	

MECHANICAL PROPERTIES OF ALL-WELD METAL:

		AN ISO	AWS
	typical values (*)	minimum values	minimum values
Tensile strength (Rm)	270 [MPa]	mechanical properties of the weld metal are not part of the classification	mechanical properties of the weld metal are not part of the classification
Yield strength (Rp0,2)	120 [MPa]		
Elongation (A%)	25 (Lo=5do)		

(*) Typical values are referred to EN ISO 14175 I1 (100% Ar), in the as-welded condition.

PACKAGING AND AVAILABLE SIZES:

mm.	D-100 plastic (0.5 kg.)	D-200 plastic (2.0 kg.)	D-300 plastic (5.0 kg.)	KS-300 wire basket (7.0 kg.)	MIDIPAC 150 (50 kg.)	MIDIPAC 300 (100 kg.)	ON DEMAND	
							SUPERPAC 550 (180 kg.)	MASTERPAC 1200 (400 kg.)
0.80	X	X	X (5.0kg.)	X (5.0kg.)	X	X	X	X
1.00	X	X	X	X	X	X	X	X
1.20	X	X	X	X	X	X	X	X
1.60			X	X			X	X