



S Al 4043 (AlSi5) ER 4043

ALLUMINIO DA SALDATURA

NORME DI RIFERIMENTO:
EN ISO 18273:2015
AWS A5.10:12

Werkstoff Nr. - 3.2245

CERTIFICATIONS:

ABS - TÜV - LR - DNV - BV - RINA
+ + WIP WIP WIP +

APPLYCATIONS: AUTOMOTIVE COMPONENTS SUCH AS FRAME AND DRIVE SHAFT,
BICYCLE FRAMES

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

Elements	ALLUMINIUM		EN ISO		AWS	
	Min	Max	Min	Max	Min	Max
Si	4,50	6,00	4,50	6,00	4,50	6,00
Fe	-	0,15	-	0,08	-	0,60
Cu	-	0,05	-	0,30	-	0,30
Mn	-	0,05	-	0,05	-	0,15
Mg	-	0,05	-	0,05	-	0,20
Cr	-	-	-	-	-	-
Zn	-	0,05	-	0,10	-	0,10
Ti	-	0,05	-	0,20	-	0,15
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) min	120 [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) min	60 [MPa]		
Elongation (A%)	60 (Lo=5do)		
(*) Typical values are referred to EN ISO 14175 I1 (100% Ar), base material 6061 T651; preheating T - ; interpass T. 85°C; as - welded condition. Tensile test acc. to EN ISO 4136; Charpy impact test acc . EN ISO 9016.			

PACKAGING AND AVAILABLE SIZES:

mm.					ON DEMAND	
	D-100 plastic (0.45 kg.)	D-200 plastic (2.0 kg.)	D-300 plastic (7.0 kg.)	KS-300 wire basket (7.0 kg.)	SUPERPAC 550 (173 kg.)	MASTERPAC 1200 (400 kg.)
0.80	X	X	X (6.0kg.)			
1.00	X	X	X		X	
1.20	X	X	X	X	X	X
1.60		X	X	X	X	X
2.00			X	X	X	X
2.40			X	X	X	X
3.17			X	X		X