

RodaAluweld 4043

REFERENCE STANDARDS: EN ISO 18273:2015 | AWS A5.10:2021

Certifications:



Applications:



AUTOMOTIVE
COMPONENTS



BICYCLE
FRAMES



RA 4001 1F

RANGE:

mm.	0.80	1.00	1.20	1.60	2.00	2.40	3.17
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CHEMICAL COMPOSITION OF THE WIRE (wt.-%):

	Si		Fe		Cu		Mn		Mg		Cr		Zn		Ti		Be		Other each		Other total		Al	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
EN ISO	4,5	6,0	-	0,80	-	0,30	-	0,05	-	0,05	-	-	-	0,10	-	0,20	-	0,0003	-	0,05	-	0,15	rem.	
AWS	4,5	6,0	-	0,80	-	0,30	-	0,05	-	0,05	-	-	-	0,10	-	0,20	-	0,0003	-	0,05	-	0,15	rem.	

MECHANICAL PROPERTIES OF ALL-WELD METAL:

	typical values (*)		AN ISO		AWS	
	typical values (*)		minimum values		typical values (**)	
Tensile strength (Rm)	187 [MPa]		mechanical properties of the weld metal are not part of the classification		200 Mpa	
Yield strength (Rp0,2)	154 [MPa]					
Elongation (A%)	2,1 (Lo=5do)					

(*) Typical values are referred to EN ISO 14175 - II (100% Ar), base material 6061 T651; preheating T - ; interpass T. 85°C; as - welded condition.
(**) Typical Historical Ultimate Tensile Strength Properties according to AWS A5.10/A5.10M 2017 table A2 (informative)

PACKAGING AND AVAILABLE SIZES:

					ON DEMAND	
D-100 plastic (0.5 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.)	