

DATASHEET RW 430 LNb – MIG wire

Description and Applications

Ferritic, solid wire with low carbon content and stabilised with Nb for the welding of similar and matching steels. The RW 430 LNb is developed and designed for the automotive industry for the production of exhaust systems. The wire should be used when there is a need for good resistance to corrosion and thermal fatigue.

Rodacciai denomination and approximate equivalent with other standards

	RW 430 LNb
EN ISO 14343-A:2009	G 18 LNb
EN ISO 14343-B:2009	SS 430 LNb
AWS A5.9-2012	
DIN Werkstoff Nr.	1.4511

Filler metal properties

Chemical composition (nominal) in %

	C	Mn	Si	S	P	Cr	Ni	Mo	Cu	N	Nb
min						17,80					0,05+7(C+N)
max	0,020	0,80	0,50	0,020	0,030	18,50	0,30	0,30	0,30	0,020	0,600

Metal properties

The following data are typical for non-heat treated weld metal from MIG welding with M1 DIN EN ISO 14175 as shielded gas.

Expected minimum mechanical properties of all weld metal

Temperature	°C	20
Yield strength, Rp 0,2	N/mm ²	275
Tensile strength, Rm	N/mm ²	420
Elongation, A5	%	26

Packaging forms

Blue metallic wire baskets BS300 of 15 kg.

Plastic spools D300 of 12,5 kg for diam. 0,80 mm and of 15 kg for the other diameters.

Plastic spools D200 of 5 kg.

Drum packaging of about 150 kg for diameter 0,80 mm and of about 250 kg for the other diameters.

Diameters : 0,80 – 0,90 – 1,00 – 1,20 – 1,60 mm.