

DATASHEET RW 2209 – MIG wire

Description and Applications

Austenitic – ferritic stainless steel welding wire used for welding duplex parent metals. Containing chloride and hydrogen sulphide, this alloy has a high resistance to intergranular pitting and stress corrosion. Used in a variety of applications across all industrial segments.

Rodacciai denomination and approximate equivalent with other standards

RW 2209

EN ISO 14343-A:2009	G 22 9 3 N L
EN ISO 14343-B:2009	SS 2209
AWS A5.9-2012	ER 2209
DIN Werkstoff Nr.	1.4462

Filler metal properties

Chemical composition (nominal) in %

	C	Mn	Si	S	P	Cr	Ni	Mo	Cu	Co	N	Ca	Ce
min		1,00	0,30			22,50	8,00	3,00			0,130		
max	0,020	2,00	0,60	0,015	0,020	23,50	9,00	3,50	0,20	0,20	0,170	15 ppm	30 ppm

Expected minimum mechanical properties of all weld metal

Temperature	°C	20
Yield strength, Rp 0,2	N/mm ²	600
Tensile strength, Rm	N/mm ²	750
Elongation, A5	%	25
Impact energy, ISO – V	J	140

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.