

COLD ROLLED (UNI EN 10130)**MECHANICAL CHARACTERISTICS**

Quality	R _e (MPa)			R _m (MPa)	A ₈₀ (%)			r		n
	min-max			min-max	min			min		min
EN1030:2007	t≤0.5	0.5 ≤0.7	t>0.7		t≤0.5	0.5 ≤0.7	t>0.7	t<2.0	t≥2.0	
DC 01	(140)-320	(140)-300	(140)-280	270-410	24	26	28	-	-	-
DC 03	(140)-280	(140)-260	(140)-240	270-370	30	32	34	1.3	1.1	-
DC 04	(140)-250	(140)-230	(140)-210	270-350	34	36	38	1.6	1.4	0.180
DC 05	(140)-220	(140)-200	(140)-180	270-330	36	38	40	1.9	1.7	0.200
DC 06	(120)-220	(120)-200	(120)-180	270-350	34	36	38	1.8	1.6	0.220

note:

Tensile tests carried out on transverse specimens

t = thickness of the laminate in mm

The r and n values are valid only for products with a thickness greater than or equal to 0.5 mm

COLD ROLLED (UNI EN 10130)**CHEMICAL COMPOSITION**

Quality	C (%)	Mn (%)	P (%)	S (%)	Ti (%)
EN1030:2007	max	max	max	max	max
DC 01	0.12	0.60	0.045	0.045	
DC 03	0.10	0.45	0.035	0.035	
DC 04	0.08	0.40	0.030	0.030	
DC 05	0.06	0.35	0.025	0.025	
DC 06	0.02	0.25	0.020	0.020	0.30

note:

Unless otherwise agreed, qualities DC01, DC03, DC04 and DC05 can be supplied as alloyed steels (for example, with B or Ti). In DC06 the Ti can be replaced by the Nb.