

EN10028 P275NL2 steel plate/sheet,EN10028 P275NL2 steel plate/sheet, under EN standard, we can regard **P275NL2 steel plate/sheet**for boilers and Pressure Vessels steels.**EN10028 P275NL12 steel plate/sheet**is for boilers and Pressure Vessels steels,it is a normalized **steel plate** and sheet which is mainly used for building pressure vessels and boilers and pipes for hot liquid.And the followings are the chemical composition and mechanical properties of **P275NL2**.

Comparison of steel grades

EN 10028-2		<u>T St E</u>
<u>P275NL2</u>	DIN 17135	<u>285</u>
	<u>NFA36205</u>	-

P275NL2 steel plate Chemical analysis -% by mass*

Grades	C	Si	Mn.	P	S	N	AL	Cr	Cu	Mo	Ni	Nb	Ti	V
	ma	ma	max	ma	ma	max	min	ma	ma	ma	ma	ma	ma	ma
	x	x		x	x			x	x	x	x	x	x	x
<u>P275NL</u>	0.1	0.4	0.80-1.5	0.0	0.0	0.01	0.0	0.3	0.3	0.0	0.5	0.0	0.0	0.0
<u>2</u>	6		0	2	1	2	2			8		5	3	5

P275NL2 steel sheet Mechanical properties

Grade	Thickness (mm)	<u>Yield</u> <u>Strength</u> MPa(min)	Tensile Strength MPa	Elongation % (min)
P275NL2	≤16	275	390 to 510	24
	16<t≤40	265	390 to 510	24
	40<t≤60	255	390 to 510	24
	6<t≤100	235	370 to 490	23
	100<t ≤150	225	360 to 480	23
	150<t ≤250	215	350 to 470	23

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