

EN 10111 S420NL steel plate/sheet for fine-grain structural steel

Key words: S420NL steel plate/sheet, EN 10111 S420NL steel plate/sheet, S420NL steel plate/sheet supplier/Chinese supplier, S420NL steel plate/sheet price, S420NL steel plate/sheet mechanical property.

EN 10111 S420NL steel equivalent grade:

S420NL steel plate/sheet is in EN 10111 standard, the grade number is 1.8912. The The equivalent materials of S420N steel are DIN 1614/2 TStE 420, NFA 36-301 NFA 36-301, BS 1449 50 F, ASTM - SAE A 633 Gr. E / A 572 Gr. 60 / A 738 Gr. C.

S420N EN 10111 Material # 1.8902	DIN 1614/2	NFA 36-301	BS 1449	ASTM - SAE
	TStE 420	E 420 FP	50 F	A 633 Gr. E / A 572 Gr. 60 / A 738 Gr. C

EN 10111 S420NL steel chemical composition %:

Main chemical composition of EN 10111 S420NL steel is carbon max 0.20, silicon max 0.60, manganese from 1.0-1.7, phosphorus max 0.025, Sulphur max 0.02, chromium max 0.30. More detailed information about S420NL steel, please refer to the down table:

Grade	C max	Si max	Mn max	P max	S max	N max	AL max	Nb max	V max	Ti max	Cr max	Ni max	Mo max	Cu max	CEV max
S420NL	0.2	0.6	1.0- 1.7	0.025	0.02	0.025	0.02	0.05	0.2	0.05	0.3	0.8	0.1	0.55	0.52

EN 10111 S420NL steel mechanical property:

EN 10111 S420NL steel plate/sheet is a hot rolled structural steels, which under specification EN 10025_3. The yield strength of S420NL shall be above 420Mpa for the thickness belows 16 millimeter. The tensile strength for thickness belows 100 millimeter of this steel grade S420NL shall be within 520_680Mpa.

Grade	Yield Strength (Min Mpa) Thickness(mm)				Tensile Strength (Mpa)		Impacting Test	
	≤ 16	16-40	40-100	≥ 100	T<100	T>100	℃	J
S420NL	420	400	390	340	520-680	500-650	-50	27

ICE steel is the professional Chinese steel exporter, especially in fine-grain structural steel. We keep 10000 tons ex-stock in our warehouse, and the MTC and sample of EN 10111 S420NL steel are available, so if need, welcome to contact ICE steel sales team.

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