

**EN 10111 S420NL steel plate/sheet for fine-grain structural steels
normalised rolled steels**

EN 10111 S420NL steel plate/sheet, EN 10111 S420NL steel plate/sheet, under EN standard, we can regard S420NL steel plate/sheet as fine-grain structural steels, normalised rolled steels. EN 10111 S420NL is mainly used as fine-grain structural steels, normalised rolled steels.

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.

Chemical Composition of EN S420NL steel

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	CE V max
S420 NL	0.2	0.6	1.0 - 1.7	0.0 25	0.0 2	0.0 25	0.0 2	0.0 5	0.2	0.0 5	0.3	0.8	0.1	0.5 5	0.5 2

Mechanical Properties of EN S420NL steel

Grade	Yield Strength (Min Mpa) Thickness(mm)				Tensile Strength (Mpa)		Impacting Test	
	≤ 16	16-40	40-100	≥ 100	T<100	T>100	°C	J
S420N L	420	400	390	340	520-680	500- 650	-50	27

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