

[EN10111 S355NL steel plate/sheet](#) for fine-grain structural steel

Key words: [S355NL steel plate/sheet](#), EN 10111 S355NL steel plate/sheet, S355NL steel plate/sheet supplier/Chinese supplier, S355NL steel plate/sheet price, S355NL steel plate/sheet mechanical property.

EN 10111 S355NL steel Equivalent grade:

S355NL steel plate/sheet is in EN 10111 standard, the grade number is 1.0546. The equivalent materials of S355NL steel are UNE36081 AE 355 KT, DIN17102 T StE 355, UN Fe E 355 KT N, NFA36 201 E355FP, BS1449 50 EE.

S355NL EN 10111 MATERIAL# 1.0546	Comparison of steel grades	
	UNE36081	AE 355 KT
	DIN17102	T StE 355
	UN	Fe E 355 KT N
	NFA36 201	E355FP
	BS1449	50 EE

[EN 10111 S355NL steel chemical composition](#) %:

Main chemical composition of [EN 10111 S355NL steel](#) is carbon max 0.18, silicon max 0.50, manganese from 0.90-1.65, phosphorus max 0.025, Sulphur max 0.020, chromium max 0.30. More detailed information about S355NL steel, please refer to the down table:

Chemical elements	C max	Si max	Mn max	P max	S max.	Cu max	Cr max	Ni max	V max	Nb max	Al min
%,by mass	0.18	0.50	0.90-1.65	0.025	0.020	0.55	0.30	0.50	0.12	0.05	0.02

EN 10111 S355NL steel mechanical property:

S355NL steel plate is one mainly of Fine-grain structural steels, normalised rolled, The normalized rolled fine-grain structural steel S355NL is characterized by a minimum yield strength of 355 MPa, by good weldability and high resistance to brittle fracture. More detailed information about S355NL steel, please refer to the down table:

thickness	Yield Strength ReH[N/mm2] transv.min.	TensileStrengthRm[N/mm2]transv.	Fracture Elongation[%]transv.min.	Notch Impact Energy1)Ch Vcomplete samplelongitud. min [J]
t ≤ 16mm t > 16mm	355 345			
t < 3mm t ≥ 3mm		470-630		+20 KV 40J 0 KV 34J -10 KV 30J -20 KV 27J -30 KV 23J -40 KV 20J -50 KV 16J
Up to 1.5mm 1.51-2.00mm 2.01-2.50mm 2.51-2.99mm ≥ 3mm			22	

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Tel:0086-10-56218820

E-mail: steel@ice-steels.com

Fax: 0086-10-56218821

Web:<http://www.ice-steels.com>

Oficina Dir: ROOM 3007 1# SOHO MODERN CITY, 88 NO. JIAN GUO ROAD BEI JING OF CHINA



Beijing ICE iron and steel

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 S355NL steel are available, so if need, welcome to contact ICE steel sales team.

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Tel:0086-10-56218820

E-mail: steel@ice-steels.com

Fax: 0086-10-56218821

Web:<http://www.ice-steels.com>

Oficina Dir: ROOM 3007 1# SOHO MODERN CITY, 88 NO. JIAN GUO ROAD BEI JING OF CHINA