

Under EN10111 standard, **S355NL steel plate** Main Application: Used in **manufacturing ship hull**, maritime oil extraction drilling platform, platform tube junction and other structural components.

S355NL EN 10111 MATERIAL# 1.0456	Comparison of steel grades	
	UNE36081	AE 355 KT
	DIN17102	T StE 355
	UN	Fe E 355 KT N
	NFA36 201	E355FP
	BS4360	50 EE

S355NL Chemical analysis -% by mass*

Chemical elements	C	Si	Mn	P	S	Cu	Cr	Ni	V	Nb	Al
	max	max	max	max	max.	max	max	max	max	max	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

Mechanical properties

thickness	Yield Strength R_{eH} [N/mm ²] transv.min.	Tensile Strength R_m [N/mm ²] transv.	Fracture Elongation[%] transv. min.	Notch Impact Energy $1)Ch V$ complete sample longitudinal. min [J]
t ≤ 16mm	355			
t > 16mm	345			+20 KV 40J
t < 3mm				0 KV 34J
t ≥ 3mm		470-630		-10 KV 30J
Up to 1.5mm				-20 KV 27J
1.51-2.00m			22	-30 KV 23J
2.01-2.50m				-40 KV 20J
2.51-2.99m				-50 KV 16J

BEBON international — We are specialized in hot rolled steel plate/coil.

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3				
≥ 3mm				

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