

EN 10111 S275NL steel plate/sheet for fine-grain structural steel

Key words: S275NL steel plate/sheet, EN 10111 S275NL steel plate/sheet, S275NL steel plate/sheet supplier/Chinese supplier, S275NL steel plate/sheet price, S275NL steel plate/sheet mechanical property.

EN 10111 S275NL steel Equivalent grade:

S275NL steel plate/sheet is in EN 10111 standard, the grade number is 1.0491. The equivalent materials of S275NL steel are UNE36081 AE 285 KT, DIN17102 T StE 285, UN Fe E 275 KT N, BS4360 43 EE.

S275NL EN 10111 MATERIAL# 1.0491	Comparison of steel grades	
	UNE36081	AE 285 KT
	DIN17102	T StE 285
	UN	Fe E 275 KT N
	BS4360	43 EE

EN 10111 S275NL steel chemical composition %:

Main chemical composition in EN 10111 S275NL steel is carbon max 0.16, silicon max 0.40, manganese from 0.50-1.50, phosphorus max 0.025, Sulphur max 0.020, chromium max 0.30.

More detailed information about S275NL 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	0.16	0.40	0.50-1.50	0.025	0.020	0.55	0.30	0.30	0.05	0.05	0.02

EN 10111 S275NL steel mechanical property:

S275NL steel plate is one mainly of Fine-grain structural steels, normalised rolled steel, S275NL steel plate is a hot rolled structural steels, which technical delivery conditions for normalized or normalized rolled in weldable fine grain structural steel grade. It is also regarded as DIN:TStE285 and BS:43EE

thickness	Yield Strength R_{eH} [N/mm ²] transv.min.	TensileStrength R_m [N/mm ²]transv.	Fracture Elongation[%]transv. min.	Notch Impact Energy $1)Ch V$ complete samplelongitud. min [J]
t ≤ 16mm t > 16mm	275 265			+20 KV 40J 0 KV 34J -10 KV 30J -20 KV 27J -30 KV 23J -40 KV 20J -50 KV 16J
t < 3mm t ≥ 3mm		370-510		
Up to 1.5mm 1.51-2.00mm 2.01-2.50mm 2.51-2.99mm ≥ 3mm			24	

ICE steel is the professional Chinese steel exporter, especially in fin-grain structural steel. We keep 10000 tons ex-stock in our warehouse, and the MTC and sample of EN 10111 S275NL steel are available, so if need, welcome to contact ICE steel sales team.

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