

**EN 10111 S355N steel plate/sheet** for fine-grain structural steel

Key words: S355N steel plate/sheet, EN 10111 S355N steel plate/sheet, S355N steel plate/sheet supplier/Chinese supplier, S355N steel plate/sheet price, S355N steel plate/sheet mechanical property.

**EN 10111 S355N steel** Equivalent grade:

S355N steel plate/sheet is in EN 10111 standard, the grade number is 1.0545. The equivalent materials of S355N steel are UNE36081 AE355KG/AE355KW, DIN17102 STE355, NFA 36-201 E355R, UN Fe E 3555KG N.

S355N EN 10111 MATERIAL#1.0545	Comparison of steel grades	
	UNE36081	AE355KG/AE355KW
	DIN17102	STE355
	NFA 36-201	E355R
	UN	ccc

**EN 10111 S355N steel chemical composition** %:

Main chemical composition of EN 10111 S355N steel is carbon max 0.20, silicon max 0.50, manganese from 0.90-1.65, phosphorus max 0.030, Sulphur max 0.025, chromium max 0.30. More detailed information about S355N steel, please refer to the down table:

Chemical elements	C max	Si max	Mn	P max	S max.	Cu max	Cr max	Ni max	V max	Nb max	Al min
%,by mass	0.20	0.50	0.90-1.65	0.030	0.025	0.55	0.30	0.50	0.12	0.05	0.02

**EN 10111 S355N steel mechanical property:**

S355N steel plate is one mainly of Fine-grain structural steels, normalised rolled steel, S355N steel plate under EN10111 standard, it is normalized, fine grain structural steel. More detailed information about S355N 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			+20 KV 31J 0 KV 27J -10 KV 24J -20 KV 20J -40 - -50 -
t < 3mm t ≥ 3mm		470-630		
Up to 1.5mm 1.51-2.00mm 2.01-2.50mm 2.51-2.99mm ≥ 3mm			22	

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 S355N steel are available, so if need, welcome to contact ICE steel sales team.

**Ice steel — The most professional exporter on weathering resistant steel**

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