

### Fine-grain structural steels, normalised rolled steel EN10111 S355N steel plate

S355N steel plate, under EN10111 standard S355N steel plate, under EN10111 standard, we can regard S355N steel plate as Fine-grain structural steels, normalised rolled steel  
 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 which is regarded as other standards,like:DIN-StE355,NFA-E355R and UN-FeE355KGN

S355N EN 10111 MATERIAL#1.0545	Comparison of steel grades	
	UNE36081	AE355KG/AE355KW
	DIN17102	STE355
	NFA 36-201	E355R
	BS4036	-
	UN	Fe E 3555KG N

#### Chemical analysis -% by mass\*

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

#### Mechanical properties

thickness	Yield Strength ReH[N/mm <sup>2</sup> ] transv.min.	TensileStrengthR m[N/mm <sup>2</sup> ]transv.	Fracture Elongation[%]tr ansv. min.	Notch Impact Energy1)Ch Vcomplete samplelongitud. min [J]	
t ≤ 16mm t > 16mm	355 345				
t < 3mm t ≥ 3mm		470-630		+20	KV 31J
Up to 1.5mm 1.51-2.00mm 2.01-2.50mm 2.51-2.99mm ≥ 3mm			22	0	KV 27J
				-10	KV 24J
				-20	KV 20J
				-40	-
				-50	-

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