

## EN10113 S355M steel plate/sheet for Fine-grain structural steels, thermomechanically rolled steels

EN10113 S355M steel plate/sheet, EN10113 S355M steel plate/sheet, under EN standard, we can regard S355M steel plate/sheet for Fine-grain structural steels, thermomechanically rolled steel.

EN10113 S355M is a technical delivery conditions for thermomechanical rolled weldable fine grain structural steels. S means the structural steel, M means the delivery condition. Capital letter L for the quality with specified minimum values of values of impact energy. The EN10113 S355M steel is equivalent to SEW TStE355TM, NFA E355R and ASTM A572GrC steel grade.

S355M EN 10113-3 Number:1.8823	Comparision of steel grades	
	SEW 083	StE 355 TM
	NFA 36-201	E 355 R
	UNI 7382	Fe E 355 KGTM
	BS 4360	-
	ASTM	A 572 Gr.C

### Chemical Composition

Grade	C max	Si max	Mn max	P max	S max	N max	AL min	Nb max	V max	Ti max	Cr max	Ni max	Mo max	Cu max	Ce min
S355M	0.14 %	0.50 %	1.60 %	0.03 0%	0.02 5%	0.01 5%	0.02 %	0.05 %	0.10 %	0.05 %	0.30 %	0.50 %	0.10 %	0.55 %	0.39 %

### Mechanical Properties

Grade	Nom. thick.e	Yield Strength ReH	Tensile Strength ReH	Total Elongation A5	°C	Notch Impact Energy Longitud. transverse	
S355M	≤16mm	≥355MPa	470- 630 MPa		+20	≥55	≥31
	>16mm	≥345MPa			0	≥47	≥27
	≥3mm			≥22%	-10	≥43	≥24
					-20	≥40	≥20

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