

[EN 10113-3 S460M steel plate/sheet](#) for fine-grain structural steel

**Key words:** [S460M steel plate/sheet](#), EN 10113-3 S460M steel plate/sheet, S460M steel plate/sheet supplier/Chinese supplier, S460M steel plate/sheet price, S460M steel plate/sheet mechanical property.

EN 10113-3 S460M steel equivalent grade:

[S460M steel plate/sheet](#) is in EN 10113-3 standard, the grade number is 1.8827. The equivalent materials of S460M steel are SEW 083 StE 460 TM, NFA 36-201 E 460 R, UNI 7382 Fe E 460 KGTM, ASTM A 572 Gr.65.

S460M EN 10113-3 Number:1.8827	Comparision of steel grades	
	SEW 083	StE 460 TM
	NFA 36-201	E 460 R
	UNI 7382	Fe E 460 KGTM
	BS 4360	-
	ASTM	A 572 Gr.65

[EN 10113-3 S460M steel chemical composition](#) %:

Main chemical composition in EN 10113-3 S460M steel is carbon max 0.16, silicon max 0.60, manganese max 1.70, phosphorus max 0.030, Sulphur max 0.025, chromium max 0.30. More detailed information about S460M steel, please refer to the down table:

Grade	C max	Si max	Mn max	P max	S max	N max	AL max	Nb max	V max	Ti max	Cr max	Ni max	Mo max	Cu max	CEV max
S460M	0.16%	0.60%	1.70%	0.03%	0.025%	0.025%	0.02%	0.05%	0.12%	0.05%	0.30%	0.80%	0.20%	0.55%	0.48%

EN 10113-3 S460M steel mechanical property:

EN10113-3 S460M 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 at temperature not lower than -20 degree.

Temperature	-10	0	20
Notch impact test. Min. absorbed energy	43	47	55

Nominal thickness(mm)	to 16	16-40	40-63	63-80	80-100	100-120
ReH-Minimum yield strength(Mpa)	460	440	430	410	400	385

Nominal thickness(mm)	to 40	40-63	63-80	80-100	100-120
Rm-Tensile strength(Mpa)	540-720	530-710	510-690	500-680	490-660

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Tel:0086-10-56218820

E-mail: [steel@ice-stees.com](mailto:steel@ice-stees.com)

Fax: 0086-10-56218821

Web:<http://www.ice-steels.com>

Oficina Dir: ROOM 3007 1# SOHO MODERN CITY, 88 NO. JIAN GUO ROAD BEI JING OF CHINA



## Beijing ICE iron and steel

Nominal thickness(mm)	-
A-Minimum elongation Lo=5,65√So(%)	17

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 10113-3 S460M steel are available, so if need, welcome to contact ICE steel sales team.

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Oficina Dir: ROOM 3007 1# SOHO MODERN CITY, 88 NO. JIAN GUO ROAD BEI JING OF CHINA

E-mail: [steel@ice-steels.com](mailto:steel@ice-steels.com)

Web:<http://www.ice-steels.com>