

EN 10113-3 S460ML steel plate/sheet for fine-grain structural steel

Key words: [S460ML steel plate/sheet](#), EN 10113-3 S460ML steel plate/sheet, S460ML steel plate/sheet supplier/Chinese supplier, S460ML steel plate/sheet price, S460ML steel plate/sheet mechanical property.

EN 10113-3 S460ML steel equivalent grade:

S460ML steel plate/sheet is in EN 10113-3 standard, the grade number is 1.8838. The equivalent materials of S460ML steel are SEW 083 TStE 460 TM, NFA 36-201 E 460 FP, UNI 7382 Fe E 460 KGTM, BS 4360 55 EE, ASTM A 572 Gr.65.

S460ML EN 10113-3 Number:1.8838	Comparison of steel grades	
	SEW 083	TStE 460 TM
	NFA 36-201	E 460 FP
	UNI 7382	Fe E 460 KGTM
	BS 4360	55 EE
	ASTM	A 572 Gr.65

EN 10113-3 S460ML steel chemical composition %:

Main chemical composition in EN 10113-3 S460ML steel is carbon max 0.16, silicon max 0.60, manganese max 1.70, phosphorus max 0.025, Sulphur max 0.02, chromium max 0.30. More detailed information about S460ML 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
S420ML	0.16%	0.60%	1.70%	0.025%	0.02%	0.025%	0.02%	0.05%	0.12%	0.05%	0.30%	0.80%	0.20%	0.55%	0.48%

EN 10113-3 S460ML steel mechanical property:

EN10113-3 S460ML 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 -50 degree.

Temperature	-50	-40	-30	-20	-10	0	20
Notch impact test. Min. absorbed energy	27	31	40	47	51	55	63

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

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Beijing ICE iron and steel

Rm-Tensile strength(Mpa)	540-720	530-710	510-690	500-680	490-660
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 S460ML steel are available, so if need, welcome to contact ICE steel sales team

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