

**EN10113 S460ML steel plate/sheet**, EN10113 S460ML steel plate/sheet, under EN standard, we can regard S460ML steel plate/sheet for Fine-grain structural steels, the **thermomechanically rolled steel**.

**EN10113S460ML** 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.

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

#### Chemical Composition

Grade	C	Si	Mn	P	S	N	AL	Nb	V	Ti	Cr	Ni	Mo	Cu	CE
	max	max	max	max	max	max	max	max	max	max	max	max	max	max	V
	x	x	x	x	x	x	x	x	x	x	x	x	x	x	max
															x
<u><a href="#">S420</a></u>	0.1	0.6	1.7	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.8	0.2	0.5	0.4
<u><a href="#">ML</a></u>	6%	0%	0%	25	2%	25	2%	5%	2%	5%	0%	0%	0%	5%	8%
				%		%									

#### S460ML steel plate Mechanical Properties

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		
Rm-Tensile strength(Mpa)		540-720	530-710	510-690	500-680	490-660		
Nominal thickness(mm)		-						
A-Minimum elongation		17						
Lo=5,65√So(%)								

**BEBON international — We are specialized in hot rolled steel plate/coil.**

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