

EN10113 S275ML steel plate/sheet for Fine-grain structural steels, thermomechanically rolled steels

EN10113 S275ML steel plate/sheet, EN10113 S275ML steel plate/sheet, under EN standard, we can regard S275ML steel plate/sheet for Fine-grain structural steels, thermomechanically rolled steel.

EN10113 S275ML is a technical delivery conditions for thermomechanical rolled weldable fine grain structural steels. It is according to EN10113-3 standard. 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.

S275ML EN 10113-3 Number:1.8819	Comparison of steel grades	
	DIN-SEW083	TStE 275 TM
	UNI 7382	Fe E 275 KTTM
	BS 4360	-
	ASTM	-

Chemical Composition of EN S275ML steel, by %

Grade	C	Si	Mn	P	S	N	AL	Nb	V	Ti	Cr	Ni	Mo	Cu	CE
S275ML	0.13	0.50	1.5	0.025	0.02	0.015	0.02	0.05	0.08	0.05	0.30	0.3	0.10	0.55	0.38

Mechanical Properties of EN S275ML steel

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)	275	265	255	245	245	240

Bebon steel — The most professional exporter on shipbuilding steel

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Nominal thickness(mm)	to 40	40-63	63-80	80-100	100-120
Rm-Tensile strength(Mpa)	370-530	360-520	350-510	350-510	350-510
Nominal thickness(mm)	-				
A-Minimum elongation Lo=5,65√So(%)	24				

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