



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	Comparision of steel grades	
	DIN	TStE 285 TM
	UNI 7382	Fe E 275 KTTM
	BS 4360	-
	ASTM	-

Chemical Composition of EN S275ML steel,by %

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	CE V max
S275 ML	0.13	0.50	1.5	0.02 5	0.02	0.01 5	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-Minimun yield strength(Mpa)	275	265	255	245	245	240

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)	-				

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A-Minimum elongation Lo=5,65√So(%)	24
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