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UNI7382 FeE275KTTM steel plate/sheet for Fine-grain structural steels, thermomechanically rolled steels

UNI7382 FeE275KTTM steel plate/sheet, UNI7382 FeE275KTTM steel plate/sheet, under UNI standard, we can regard FeE275KTTM steel plate/sheet for Fine-grain structural steels, thermomechanically rolled steel.

UNI7382 FeE275KTTM is a technical delivery conditions for thermomechanical rolled weldable fine grain structural steels. It is according to UNI7382 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 UNergy at temperature not lower than -50 degree.

FeE275KTTM UNI 7382 Number:1.8819	Comparision of steel grades	
	DIN-SEW083	TS4E 275 TM
	EN10113-3	S275ML
	BS 4360	-
	ASTM	-

Chemical Composition of UNI FeE275KTTM 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
FeE275KTTM	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 UNI FeE275KTTM steel

Temperature	-50	-40	-30	-20	-10	0	20
Notch impact test. Min. absorbed UNergy	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 strUNlgh(Mpa)	275	265	255	245	245	240

Nominal thickness(mm)	to 40	40-63	63-80	80-100	100-120
Rm-TUNIsile strUNlgh(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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