

UNI7382 FeE355KGTM steel plate/sheet for Fine-grain structural steels, thermomechanically rolled steels

UNI7382 FeE355KGTM steel plate/sheet,UNI7382 FeE355KGTM steel plate/sheet, under UNI standard, we can regard FeE355KGTM steel plate/sheet for Fine-grain structural steels, thermomechanically rolled steel.

UNI7382 FeE355KGTM 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.The UNI7382 FeE355KGTM steel is equivalent to DIN-SEW TStE355TM,NFA E355R, EN S355M and ASTM A572GrC steel grade.

FeE355KGTM UNI 7382 Number:1.8823	Comparision of steel grades	
	SEW 083	StE 355 TM
	NFA 36-201	E 355 R
	EN 10113-3	S355M
	BS 4360	-
	ASTM	A 572 Gr.C

Chemical Composition

Grade	C max	Si max	Mn max	P max	S max	N max	AL min	Nb max	V max	Ti max	Cr max	Ni max	Mo max	Cu max	Ce min
FeE355 KGTM	0.14 %	0.50 %	1.60 %	0.03 0%	0.02 5%	0.01 5%	0.02 %	0.05 %	0.10 %	0.05 %	0.30 %	0.50 %	0.10 %	0.55 %	0.39 %

Mechanical Properties

Grade	Nom. thick.e	Yield Strength ReH	Tensile Strength ReH	Total Elongation A5	°C	Notch Impact Energy	
						Longitud.	transverse
FeE355 KGTM	≤16mm	≥355MPa	470- 630 MPa		+20	≥55	≥31
	> 16mm	≥345MPa			0	≥47	≥27
	≥3mm			≥22%	-10	≥43	≥24
					-20	≥40	≥20

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