

SEW083 TStE420TM steel plate/sheet for Fine-grain structural steels, thermomechanically rolled steels

SEW083 TStE420TM steel plate/sheet, SEW083 TStE420TM steel plate/sheet, under DIN standard, we can regard TStE420TM steel plate/sheet for Fine-grain structural steels, thermomechanically rolled steel.

SEW083 TStE420TM 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. It is equal to EN S420ML, NFA36-201 E420FP and ASTM A633Gr.E.

TStE420TM SEW083 Number:1.8836	Comparision of steel grades	
	EN 10113-3	S420ML
	NFA 36-201	E 420 FP
	UNI 7382	-
	BS 4360	-
	ASTM	A 633 Gr.E

Chemical Composition of TStE420TM steel

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
TStE420TM	0.16 %	0.50 %	1.70 %	0.02 5%	0.02 %	0.02 %	0.02 %	0.05 %	0.12 %	0.05 %	0.30 %	0.80 %	0.20 %	0.55 %	0.47 %

Mechanical Properties of TStE420TM 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)	420	400	390	380	370	365
Nominal thickness(mm)	to 40	40-63	63-80	80-100	100-120	
Rm-Tensile strength(Mpa)	520-680	500-660	480-640	470-630	460-620	
Nominal thickness(mm)	-					
A-Minimum elongation Lo=5.65√So(%)	19					

Bebon steel — **The most professional exporter on shipbuilding steel**

Tel:0086-371-86151527

E-mail:bb@bebonchina.com

Fax: 0086-371-86011881

MSN:bebonchina@hotmail.com

Skype: bebonchina

Web:http://www.shipbuilding-steel.com

Oficina Dir: 2801 B# International enterprise center Zhengzhou city in China.