

NFA36-201 E355FP steel plate/sheet for Fine-grain structural steels, thermomechanically rolled steels

NFA36-201 E355FP steel plate/sheet, NFA36-201 E355FP steel plate/sheet, under NFA standard, we can regard E355FP steel plate/sheet for Fine-grain structural steels, thermomechanically rolled steel.

NFA36-201 E355FP 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 SEW083 TStE355TM, EN S355ML and ASTM A633Gr.C steel grade.

E355FP NFA36-201 Number:1.8834	Comparision of steel grades	
	SEW 083	TStE 355 TM
	EN10113-3	S355ML
	UNI 7382	Fe E 355 KTTM
	BS 4360	50 EE
	ASTM	A 633 Gr.C

Chemical Composition of E355FP 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
E355F P	0.14 %	0.50 %	1.60 %	0.02 5%	0.02 5%	0.02 %	0.02 %	0.05 %	0.10 %	0.05 %	0.30 %	0.50 %	0.10 %	0.55 %	0.45 %

Mechanical Properties of E355FP 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)	355	345	335	325	325	320

Nominal thickness(mm)	to 40	40-63	63-80	80-100	100-120
Rm-Tensile strength(Mpa)	470-630	450-610	440-600	440-600	430-590
Nominal thickness(mm)	-				
A-Minimum elongation Lo=5.65√So(%)	22				

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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.