

**low alloy steel Europe standard NFA 36201 E 460 FP steel plate**

E 460FP steel plate,NFA 36201 E 460 FP steel plate, under NFA 36201 standard, we can regard E 460FP steel plate as High Yield steel plate

E 460FP steel plate is one of the mainly High Yield steel, Steel sheet E 460FP shall be at minus 20 centi degree on transverse at minimum 30 J impacting energy. Now we list the mechanical property table of steel E 460FP as belows:

E 460FP Chemical composition cast analysis

Element	P460NH Max %	Element	P460NH max %
C	0.20	Cr	0.30
Si	0.60	Cu	0.70
Mn	1.10-1.70	Mo	0.10
P	0.025	Nb	0.05
S	0.015	Ni	0.80
AL	0.020	Ti	0.03
N	0.025	V	0.20

E 460FP Mechanical properties, longitudinal min impact energy

Grade	Type	Thickness	Yield Strength	Tensile Strength	Elongation	Impact Energy
		(mm)	MPa (min)	MPa	% (min)	(KV J) (min)
E460FP	Normalized	≤ 16	460	570-720	17	30
		16> to ≤40	445	570-720	17	30
		40> to ≤60	430	570-720	17	30
		60> to ≤100	400	540-710	17	30
		100> to ≤150	400	540-710	17	30
		150> to ≤250	400	540-710	17	30

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