

### low alloy steel Europe standard P460 NH steel plate

P460 NH steel plate, Europe standard P460 NH steel plate, under Europe standard standard, we can regard P460 NH steel plate as High Yield steel plate  
 P460NH steel plate is one of the mainly High Yield steel, Steel sheet P460NH shall be at minus 20 centi degree on transverse at minimum 30 J impacting energy. Now we list the mechanical property table of steel P460NH as belows:

P460NH 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

P460NH Mechanical properties, longitudinal min impact energy

Grade	Type	Thickness	Yield Strength	Tensile Strength	Elongation	Impact Energy
		(mm)	MPa (min)	MPa	% (min)	(KV J) (min)
P460NH	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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