

EN10028 P275NH steel plate/sheet for boilers and Pressure Vessels steels

EN10028 P275NH steel plate/sheet, EN10028 P275NH steel plate/sheet, under EN standard, we can regard P275NH steel plate/sheet for boilers and Pressure Vessels steels. EN10028 P275NH steel plate/sheet is for boilers and Pressure Vessels steels, it is a normalized steel plate and sheet which is mainly used for building pressure vessels and boilers and pipes for hot liquid.

If you are looking for Chinese P275NH steel supplier, if you want to know P275NH steel price, please be free to contact us.

The chemical composition of EN P275NH steel

Element	Max %	Element	max %
C	0.18	Cu	0.30
Si	0.40	Mo	0.08
Mn	0.50-1.40	N	0.02
P	0.03	Nb	0.05
S	0.03	Ni	0.50
AL	0.020	Ti	0.03
Cr	0.30	V	0.05
Nb+Ti+V	0.05		

The mechanical properties of EN P275NH steel

Grade	Material	Thickness	Yield Strength	Tensile Strength	Elongation
		(mm)	MPa (min)	MPa	% (min)
P275NH	1.0487	≤ 16	275		
		16 > to ≤ 35	275		
		35 > to ≤ 50	265		
		50 > to ≤ 70	255	370-490	23
		70 > to ≤ 100	235	350-470	1)
		100 > to ≤ 150	225	1)	1)
		> 150	390-510	24	

The impact test of EN P275NH steel

Type	Usual Delivery Condition	Nominal Thickness (mm)	Impact Energy KV min [J] at temperature [°C]									
			Longitudinal					Longitudinal				
			-50	-40	-20	0	+20	-50	-40	-20	0	+20
P275 NH	N	5-150	-	-	40	47	55	-	-	20	27	31

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