

EN10028 P355NL1 steel plate/sheet for boilers and Pressure Vessels steels

EN10028 P355NL1 steel plate/sheet, EN10028 P355NL1 steel plate/sheet, under EN standard, we can regard P355NL1 steel plate/sheet for boilers and Pressure Vessels steels. EN10028 P355NL1 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 P355NL1 steel supplier, if you want to know P355NL1 steel price, please be free to contact us

The chemical composition of EN P355NL1 steel

Element	Max %	Element	max %
C	0.18	Cu	0.30
Si	0.50	Mo	0.08
Mn	0.90-1.70	N	0.02
P	0.03	Nb	0.05
S	0.03	Ni	0.50
AL	-	Ti	0.03
Cr	0.30	V	0.10
Nb+Ti+V	0.12		

The mechanical properties of EN P355NL1 steel

Grade	Material	Thickness	Yield Strength	Tensile Strength	Elongation
		(mm)	MPa (min)	MPa	% (min)
P355NL1	1.0566	≤ 16	355		
		16 > to ≤ 35	355		
		35 > to ≤ 50	345		
		50 > to ≤ 70	325	490-630	22
		70 > to ≤ 100	315	470-610	21
		100 > to ≤ 150	295	450-590	21
		> 150	1)	1)	1)

The impact test of EN P355NL1 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
P355 NL1	N	5-150	27	34	47	55	63	16	20	27	34	40

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