

EN 10028-3 P355NL2 steel plate/sheet for boilers and Pressure Vessels steels

EN 10028-3 P355NL2 steel plate/sheet, EN 10028-3 P355NL2 steel plate/sheet, under EN 10028-3 standard, we can regard P355NL2 steel plate/sheet for boilers and Pressure Vessels steels. EN 10028-3 P355NL2 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 P355NL2 steel supplier, if you want to know P355NL2 steel price, please be free to contact us

The chemical composition of EN P355NL2 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 P355NL2 steel

Grade	Material	Thickness	Yield Strength	Tensile Strength	Elongation
		(mm)	MPa (min)	MPa	% (min)
P355NL2	1.1106	≤ 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 P355NL2 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 NL2	N	5-150	30	40	65	90	100	27	30	40	60	70

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