

UNI5859 FE 410-2-KG steel plate/sheet for boilers and Pressure Vessels steels

UNI5859 FE 410-2-KG steel plate/sheet, UNI5859 FE 410-2-KG steel plate/sheet, under EN standard, we can regard FE 410-2-KG steel plate/sheet for boilers and Pressure Vessels steels. UNI5859 P275NL12 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. And the followings are the chemical composition and mechanical properties of FE 410-2-KG.

If you are looking for Chinese FE 410-2-KG steel supplier, if you want to know FE 410-2-KG steel price, please be free to contact us.

The chemical composition of EN FE 410-2-KG steel

Element	Max %	Element	max %
C	0.16	Cu	0.30
Si	0.40	Mo	0.08
Mn	0.50-1.50	N	0.02
P	0.03	Nb	0.05
S	0.02	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 FE 410-2-KG steel

Grade	Material	Thickness	Yield Strength	Tensile Strength	Elongation
		(mm)	MPa (min)	MPa	% (min)
FE 410-2-KG	1.1104	≤ 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 FE 410-2-KG 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
FE 410-2-KG	N	5-150	30	40	65	90	100	27	30	40	60	70

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