

EN10155 S355J2WP steel plate/sheet for atmospheric corrosion resistance.

Key words :

S355J2WP steel plate/sheet, EN10155 S355J2WP steel plate/sheet, EN10155 S355J2WP steel plate/sheet for atmospheric corrosion resistance, S355J2WP carbon steel used for resisting atmospheric corrosion , EN10155 steel plate for atmospheric corrosion resistance,S355J2WP steel supplier/Chinese supplier, S355J2WP steel price...

S355J2WP steel Equivalent grade :

S355J2WP steel plate/sheet is in EN10155 standard. It's grade Number is 1.8946. The equal material of S355J2WP is: NFA 35-502 E36W4, UNI Fe510D1K1, ASTM A242 Type 1

EN10155 S355J2WP steel Chemical Composition % :

S355J2WP	ASTM	A242 Type 1
EN10155	NFA 35-502	E36W4
Number:1.8946	UNI	Fe510D1K1

Main chemical composition in EN10155 S355J2WP steel : Carbon: max 0.12 , Manganese max 1.00 , Silicon max 0.75 , Sulphur max 0.03, Phosphorus from 0.06-0.15 , More detailed information, please refer to the flowing table:

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C %	Mn %	Cr %	Si %	CEV %	S %
Max 0.12	Max 1	0.3-1.25	Max 0.75	Max 0.52	Max 0.03
Cu %	P %				
0.25-0.55	0.06 - 0.15				

Method of deoxidation FF = fully killed steel

$$CEV = C + \frac{Mn}{6} + \frac{Cr+Mo+V}{5} + \frac{Ni+Cu}{15}$$

For long products the P and S content can be 0.005% higher

The S355J2WP steels may show a Ni content of max. 0,65 %

The S355J2WP steels shall contain at least one of the following elements: Al total \geq 0,020 %, Nb: 0,015 - 0,060 %, V: 0,02 - 0,12 %, Ti: 0,02 - 0,10 %. If these elements are used in combination, at least one of them shall be present with the minimum content indicated.

EN10155 S355J2WP steel Mechanical Properties

If S355J2WP mechanical properties have been significantly modified by heavy coldforming, either stress relief annealing or normalised may be applied. Normalised should also be applied following hotforming outside of the temperature range of 750 - 1.050 °C and after overheating. The tensile test values given in the table apply to longitudinal samples; in case of strip and sheet steel of widths of \geq 600 mm they apply to transverse samples.

Grade	Min. Yield Strength Mpa	Tensile Strength MPa	Impact	
S355J2WP	Nominal Thickness (mm)	Nominal Thickness (mm)	degree	J
			e	

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Thick mm	≤16	>16	>40	>63	>80	>100	≤3	>3 ≤100	>100 ≤150		
		≤40	≤63	≤80	≤100	≤150					
S355J2WP	355	345	510-680	470-630	-20	27

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