

EN10155 S355J0WP steel plate/sheet for atmospheric corrosion resistance.

Key words :

S355J0WP steel plate/sheet, [EN10155 S355J0WP steel plate/sheet](#), EN10155 S355J0WP steel plate/sheet for atmospheric corrosion resistance, S355J0WP carbon steel used for resisting atmospheric corrosion , EN10155 steel plate for atmospheric corrosion resistance, S355J0WP steel supplier /Chinese supplier, S355J0WP steel price...

Equivalent grade :

S355J0WP steel plate/sheet is in EN10155 standard. It's grade Number is 1.8945. The equal material of S355J0WP is: NFA 35-502 E36W3, UNI Fe510C1K1, BS4360 WR50A

S355J0WP EN10155 Number:1.8945	BS4360	WR50A
	NFA 35-502	E36W3
	UNI	Fe510C1K1

EN10155 S355J0WP steel Chemical Composition

Main chemical composition in [EN10155 S355J0WP 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:

C %	Mn %	Cr %	Si %	CEV %	S %
Max 0.12	Max 1	0.3-1.25	Max 0.75	Max 0.52	Max 0.035
Cu %	P %	N %			
0.25-0.55	0.06 - 0.15	Max 0.009			

Method of deoxidation FN = rimming steels not permitted.

CEV= C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15

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

The S355J0WP steels may show a Ni content of max. 0,65 %.

The max. value for nitrogen does not apply if the chemical composition shows a minimum total Al content of 0,020 % or if sufficient other N binding elements are present. The N binding elements shall be mentioned in the inspection document

EN10155 S355J0WP steel Mechanical Properties

The tensile test values given in the table apply to longitudinal samples; in case of strip and sheet steel of widths of ≥600 mm they apply to transverse samples.

If S355J0WP 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.

More detailed information about EN10155 S355J0WP steel Mechanical Properties , please refer to the following table:

Grade	Min. Yield Strength Mpa	Tensile Strength MPa	Impact
S355J0WP	Nominal Thickness (mm)	Nominal Thickness (mm)	degree J
Thick mm	≤16 >16 >40 >63 >80 >100	≤3 >3 ≤100 >100 ≤150	
	≤40 ≤63 ≤80 ≤100 ≤150		

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