

EN10155 S355J0W steel plate/sheet for atmospheric corrosion resistance.

Key words :

S355J0W steel plate/sheet, [EN10155 S355J0W steel plate/sheet](#), EN10155 S355J0W steel plate/sheet for atmospheric corrosion resistance, S355J0W carbon steel used for resisting atmospheric corrosion , EN10155 steel plate for atmospheric corrosion resistance, S355J0W steel supplier /Chinese supplier, S355J0W steel price...

Equivalent grade :

S355J0W steel plate/sheet is in EN10155 standard. It's grade Number is 1.8959. The equal material of S355J0W is: NFA 35-502 E36WB3, UNI Fe510C2K1, ASTM A588 , BS4360 WR50B, JIS SMA50AW

S355J0W EN10155 Number:1.8946	ASTM	A588
	NFA 35-502	E36WB3
	UNI	Fe510C2K1
	JIS	SMA50AW
	BS4360	WR50B

EN10155 S355J0W steel Chemical Composition %

C	Si	Mn	P	S	Cr	N	Cu	CEV
max 0.16_	Max 0.5_	0.5 - 1.5_	max 0.035_	Max 0.035_	0.4 -0.8_	max 0.009_	0.25-0.55_	Max 0.52_

The steels may show a Ni content of max 0.65 %; For long S355J0W steel, the P and S content can be 0.005% higher; The S355J0W steel may contain max. 0.30 % Mo and max. 0.15 % Zr

It is permissible to exceed the specified values provided that for each increase of 0.001 % N, the P max. content will be reduced by 0.005 %; the N content of the ladle analysis, however, shall not be more than 0.012 %. 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.

EN10155 S355J0W 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 S355J0W 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 S355J0W steel Mechanical Properties , please refer to the following table:

Grade	Min. Yield Strength Mpa						Tensile Strength MPa			Impact			
S355J0W	Nominal Thickness (mm)						Nominal Thickness (mm)			degree J			
Thick mm	≤16	>16	>40	>63	>80	>100	≤3	>3	≤100	>100	≤150	0	27
S355J0W	355	345	510-680	470-630				

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