

EN10155 S355J0W; S355J0W steel; S355J0W steel plate; S355J0W steel grade; S355J0W steel supplier

S355J0W steel description

S355J0W steel is a weather resistant steel which could more accurately be termed as an "Atmospheric Corrosion Resistant Steel" and often referred to as Corten-B steel. Weathering means that due to S355J0W steel chemical compositions, S355J0W steel chemical composition can increase resistance to atmospheric corrosion compared to other steels. This is because it forms a protective layer on S355J0W steel surface under the influence of the weather.

S355J0W steel Deliver condition

Hot Rolled, Cold Rolled, Normalized, Quenched, Tempering, Thermal Mechanical Control Process (TMCP), Electroslag Remelting Technical, HIC test.

S355J0W steel Application range

The S355J0W steels are used for various types of welded, bolted and riveted constructions e.g. steel frame structures, bridges, tanks and containers, exhaust systems, vehicles and equipment constructions and so on.

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

Tel: 0086-371-86151627

Fax: 0086-371-86011881

Skype:bebonsophia

Address: 2801 B#,INTERNATIONAL ENTERPRISE CENTER ,NONG YE ROAD ,ZHENGZHOU CITY OF HENAN PROVINCE, CHINA.

E-mail:bebonsophia@bebonchina.com

MSN:bebonsophia@hotmail.com

Web:http://www.bebonchina.com

Note:

1. The steels may show a Ni content of max 0.65 %;
2. For long S355J0W steel, the **P** and **S** content can be 0.005% higher;
3. The S355J0W steel may contain max. 0.30 % Mo and max. 0.15 % Zr
4. 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 %
5. 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.

6. S355J0W steel mechanical property

Nominal thickness (mm)	to 16	16-40	40-63	63-80	80-100	100-150
ReH - Minimum yield strength (MPa)	355	345	335	325	315	295
Nominal thickness (mm)	To 3		3-100		100-150	
Rm -Tensile strength (MPa)	510-680		470-630		450-600	
Nominal thickness (mm)	3-40		40-63		63-100	100-150
A - Minimum elongation $L_0 = 5,65 \sqrt{S_0}$ (%)	22		21		20	18
Nominal thickness (mm)	1.5 - 2		2-2.5		2.5-3	
A - Minimum elongation $L_0 = L_0 = 80$ mm (%)	16		17		18	
Temperature	-20			0		
Notch impact test. Min. absorbed energy	27			27		

Tel: 0086-371-86151627

Fax: 0086-371-86011881

Skype: bebonsophia

Address: 2801 B#, INTERNATIONAL ENTERPRISE CENTER ,NONG YE ROAD ,ZHENGZHOU CITY OF HENAN PROVINCE, CHINA.

E-mail: bebonsophia@bebonchina.com

MSN: bebonsophia@hotmail.com

Web: http://www.bebonchina.com



Henan BEBON international co.,ltd

Henan BEBON international co.,ltd is an outstanding and professional S355J0W steel exporter and stockist in china, especially in super thick atmospheric corrosion resistance of structural steel plate. We keep more than 10000 ton S355J0W steel in stock, and we have a good relationship with per big steel mill, so if you have any S355J0W steel need, we also can meet your maximum request. BEBON international is your best choice, if you want to seek a reliable china supplier. Any need in S355J0W steel, we can supply you with the best quality, best service and competitive price.

Tel: 0086-371-86151627

Fax: 0086-371-86011881

Skype:bebonsophia

Address: 2801 B#,INTERNATIONAL ENTERPRISE CENTER ,NONG YE ROAD ,ZHENGZHOU CITY OF HENAN PROVINCE, CHINA.

E-mail:bebonsophia@bebonchina.com

MSN:bebonsophia@hotmail.com

Web:http://www.bebonchina.com