

EN 10155 S355J2G1W; S355J2G1W steel; S355J2G1W steel plate; S355J2G1W steel grade; S355J2G1W steel supplier

#### S355J2G1W steel description

S355J2G1W steel is a structural weathering steel which is also referred to as atmospheric corrosion resistant steel. S355J2G1W steel chemical composition can increase resistance to atmospheric corrosion compared to other steels. This is because it forms a protective layer on S355J2G1W steel surface under the influence of the weather, So which could more accurately be termed as an "Atmospheric Corrosion Resistant Steel".

#### S355J2G1W steel deliver condition

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

#### S355J2G1W steel application range

S355J2G1W weathering steel has a widely use in Mine fans, earth moving buckets, trailers and large road vehicles, drill rings, cranes, excavators, underground mining equipment, bridges and other high strength components requiring superior toughness.

#### S355J2G1W steel chemical composition(%)

C	Si	Mn	P	S	Cr	Mo	Ni	CU
Max 0.16	Max 0.5	0.5 - 1.5	Max 0.035	Max 0.035	0.4 -0.8	Max 0.3	Max 0.65	Max 0.25-0.55

#### S355J2G1W steel mechanical property

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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		

As an outstanding exporter and stockist in china, especially in Atmospheric Corrosion Resistant Steel, Henan BEBON international co.,ltd enjoy a famous reputation in the global steel market. Due to we have a good and close relationship with per big steel mill, so if you have any need about S355J2G1W steel, we all can make you satisfied with our weathering steel. In addition, we have S355J2G1W steel more than 10000 tons per mouth in stock, so if you need. Pls don't hesitate to contact BEBON sales-team now.

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