

S355K2G3 steel plate has a -20 degree temperature steel. Compare with S355J2 , **S355K2 steel plate** impact energy is 40J, S355J2 is 27J under 150mm thickness. So S355K2 steel plate is better for choice in low temperature high impact energy projects.

Bebon steel is specialized in supplying S355K2G3 steel grade in super thick steel plate. We exported our goods to Vietnam, Korea and Singapore in this grade in many years. **Bebon steel** promised that we used our best service to enlarge steel market of oversea.

If you need more yield and tensile strength, you could choose **S450J0 steel grade** Which has min 450Mpa yield strength.

Comparison of steel grades

S355K2G3	EN10025:1990	FE 510 DD1
DIN EN 10025-2Number:	DIN17100	-
1.0595	NFA 35-501	E36-4
	BS1449	50DD
	UNI7070	-

S355K2G3 steel plate Chemical analysis -% by mass*

Chemical elements	C≤ 16mm	C>16mm	Si	Mn	P	S
	max	max	max	max	max.	max.
%,by mass	0.20	0.20	0.55	1.60	0.035	0.035

S355K2G3 steel sheet Mechanical properties

thickness	Yield Strength R_{eH} [N/mm ²]	TensileStrengthR_m[N/mm²] transv.	Fracture Elongation[%]transv. min.	Notch Impact Energy $1)Ch V$ complete samplelongitud. min [J]
		mm ²		
t ≤ 16mm	355			
t > 16mm	345			
t < 3mm		510-680		
t ≥ 3mm		490-630		
Up to 1.5mm			13	
1.51-2.00m			14	-20 degree
m			15	40J
2.01-2.50m			16	
m			20	
2.51-2.99m				
m				
≥ 3mm				

BEBON international — We are specialized in hot rolled steel plate/coil.

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