

S460N steel is a higher yield strength structural grade than S420N. In -20 degree impact test and normalized delivery station.

Commonly used in the engineering and construction industry, S460N offers **high yield and tensile strength** and is supplied with a variety of treatments and test options making it a highly usable steel in your construction project.

BEBON steel has much experience in manufacture S460N, we do that according to EN10025-3 adopt standard. Our advantage is that we could supply steel plate in the fastest delivery time and in best quality, even in one plate in usual specification.

About **S460N steel PLATE** detail information, please refer to technical date in following.

Comparison of steel grades		
	UNE36081	AE460KG/AE460KW
S460N	DIN17102	STE460
EN 10025-3	NFA 36-201	E460R
	BS4036	-
	UN	FE E 460KG N

S460N steel PLATE Chemical analysis -% by mass*

Chemical elements	C	Si	Mn	P	S	Cu	Cr	Ni	V	Nb	Al
	max	max		max	max.	max	max	max	max	max	min
%by mass	0.20	0.60	1.00-1.70	0.030	0.025	0.55	0.30	0.50	0.12	0.05	0.02

S460N steel Mechanical properties

thickness	Yield Strength	Tensile Strength	Fracture Elongation	Notch Impact	
	ReH[N/mm2]	Rm[N/mm2]transv.	[%]transv. min.	Energy	Charpy V complete sample longitud. min [J]
t ≤ 16mm	460			+20	KV 31J
t > 16mm	440			0	KV 27J
t < 3mm		540-720		-10	KV 24J
t ≥ 3mm				-20	KV 20J
Up to 1.5mm				-40	-
1.51-2.00m			17	-50	-
m					
2.01-2.50m					
m					
2.51-2.99m					
m					
≥ 3mm					

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

Tel:0086-371-86151827 86151627

E-mail:BB@Bebonchina.com

Fax: 0086-371-86011881

Web:<http://www.bebonchina.com>

Oficina Dir: 2801 B# International enterise center Zhengzhou city in China.

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