

MATERIAL# 1.0490 S275N steel plate/sheet is under EN10025-3 standard equivalent to DIN:StE285,
S275N steel plate/sheet is a minimum impact energy of 20J at temperatures not lower than -20 degree and the tensile strength of **S275N** is 370 to 510MPa

Comparison of steel grades

S275N	UNE36081	AE285KG/AE285KW
EN 10025-3 MATERIAL#	DIN17102	STE285
1.0490	NFA 36-207	-
	UN	Fe E 275KG N

S275N steel sheet Chemical analysis -% by mass*

Chemical elements	Si		Mn	P	S	Cu	Cr	Ni	V	Nb	Al
	max	max									
%by mass	0.18	0.40	0.50-1.50	0.030	0.025	0.55	0.30	0.30	0.05	0.05	0.02

S275N steel plate Mechanical properties

thickness	Yield Strength	TensileStrength	Fracture Elongation	Notch Impact	
	ReH[N/mm2]	Rm[N/mm2]	[%]transv. min.	Energy	Impact
t ≤ 16mm	275			+20	KV 31J
t > 16mm	265			0	KV 27J
t < 3mm		370-510		-10	KV 24J
t ≥ 3mm				-20	KV 20J
Up to 1.5mm				-40	-
1.51-2.00m			24	-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.