

Steel plate for for Boiler Pressure Vessel EN 10028-3 P 355 N steel

P 355 N steel plate, EN 10028-3P 355 N steel plates is a kind of material for boiler and pressure vessel steel. EN 10028-3P 355 N steel plates is characterized by a minimum yield strength of 280-355 MPa and by good weldability, so P355 N steel is mainly used to for manufacturing boilers, pressure vessels and pipes transporting hot liquids.the following are EN 10028-3P 355 N steel plate's Chemical composition and mechanical properties.

If you are looking for Chinese P355N steel supplier, if you want to know P355N steel price, please be free to contact us.

Chemical analysis -% by mass* (max) of P 355 N steel

Grade	C. %	Mn.%	S.	N	Cu	Nb	Ti.	Si.	P.	AL	Cr.	Mo.	Ni	Vi
P 355 N	0.10-0.22	0.10-1.70	0.015	0.012	0.30	0.020	0.03	0.60	0.025	0.020	0.30	0.08	0.30	0.02

Mechanical properties of P 355 N steel

Grade	Type	Thickness mm	Yield strength Mpa(min)	Tensile Strength MPa	Elongation % (min)	Impact Energy (KVJ) (min)		
						-20°	0°	+20
P 355 N	Normalized	≤16	355	510-650	20	27	34	40
		16>to≤40	345	510-650	20	27	34	40
		40>to≤60	335	460-580	20	27	34	40
		60>to≤100	315	490-630	20	27	34	40
		100>to≤150	295	480-630	20	27	34	40
		150>to≤250	280	470-630	20	27	34	40

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Tel:0086-371-86151527

E-mail:bb@bebonchina.com

Fax: 0086-371-86011881

MSN:bebonchina@hotmail.com

Skype: bebonchina

Web:http://www.shipbuilding-steel.com

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