

Boiler plates



Quality	P355NH
Standard	EN 10028-3
Certification	3.1 or 3.2 EN10204
Heattreatment	Normalized rolling

Mechanical properties

Thickness in mm	Min. Yield (Mpa)	Min. Yield Rp 0,2 (Mpa)	Tensile strength (Mpa)	Min. Elongation (%)	Min. Impact Energy (KV J transverse)		
					-20°	0°	+20°
<= 16	355		490 - 630	22	30	40	50
> 15 <= 40	345		490 - 630	22	30	40	50
>40 <= 60	335		490 - 630	22	30	40	50
>60 <= 100	315		470 - 610	22	30	40	50
> 100 <= 150	305		460 - 600	22	30	40	50
>150 <= 250	295		450 - 590	22	30	40	50

Chemical composition

C max.	Si max.	Mn max.	P max.	S max.	Al max.	N max.	Cr max.	Cu max.	Mo max.	Nb max.	Ni max.	Ti max.	V max.
0.180	<=0,50	1,10 - 1,70	0.025	0.010	0.020	0.012	0.30	0.30	0.08	0.05	0.50	0.03	0.10

Nb+Ti+V max. 0,12

