

Boiler plates



Quality	P355NL
Standard	EN 10028-3
Certification	3.1 or 3.2 EN10204
Heattreatment	Normalized

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)				
					-50°	-40°	-20°	0°	+20°
<= 16	355	202	490 - 630	22	27	30	40	60	70
> 15 <= 40	345	196	490 - 630	22	27	30	40	60	70
>40 <= 60	335	190	490 - 630	22	27	30	40	60	70
>60 <= 100	315	179	470 - 610	21	27	30	40	60	70
> 100 <= 150	305	173	460 - 600	21	27	30	40	60	70
>150 <= 250	295	167	450 - 590	21	27	30	40	60	70

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	0.500	1,10 - 1,70	0.020	0.010	0.020	0.012	0.30	0.30	0.08	0.05	0.50	0.03	0.10

Cr + Cu + Mo max. 0,45%

Nb + Ti + V max. 0,12%

