

Boiler plates



Quality	P355GH
Standard	EN 10028-2
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)		
					-20°	0°	+20°
<= 16	355		510 - 650	20	27	34	40
> 15 <= 40	345		510 - 650	20	27	34	40
>40 <= 60	335		510 - 650	20	27	34	40
>60 <= 100	315		490 - 630	20	27	34	40
> 100 <= 150	305		480 - 630	20	27	34	40
>150 <= 250	295		470 - 630	20	27	34	40

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.
0,10-0,22	<=0,60	1,10 - 1,70	0.025	0.015	0.020	0.012	0.30	0.30	0.08	0.02	0.30	0.03	0.02

Cr + Cu + Mo + Ni max. 0,70%

