

Construction plates



Quality	S355NL
Standard	EN 10025-3
Certification	3.1 or 3.2 EN10204
Heattreatment	Normalized rolled

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°	-30°	-20°	-10°	0°	+20°
<= 16	355		470 - 630	22	27	31	40	47	51	55	63
> 15 <= 40	345		470 - 630	22	27	31	40	47	51	55	63
>40 <= 63	335		470 - 630	22	27	31	40	47	51	55	63
>63 <= 80	325		470 - 630	22	27	31	40	47	51	55	63
> 80 <= 100	315		470 - 630	22	27	31	40	47	51	55	63
>100 <= 150	295		450 - 600	22	27	31	40	47	51	55	63

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	0,90 - 1,65	0.030	0.025	0.020	0.015	0.30	0.35	0.10	0.05	0.50	0.03	0.12

