

Structural plates



Quality	S355ML
Standard	EN 10025-4
Certification	3.2 EN10204
Heattreatment	Thermomechanical rolled

Mechanical properties

Thickness in mm	Min. Yield (Mpa)	Tensile strength (Mpa)	Min. Elongation (%)	Min. Impact Energy (KV J longitudinal) -50°
>3 <= 16	355	470 - 630	22	27
> 16 <= 25	345	470 - 630	22	27
> 25 <= 40	345	470 - 630	22	27
>40 <= 63	335	450 - 610	22	27
>63 <= 80	325	440 - 600	22	27
>80 <= 100	325	440 - 600	22	27
>100 <= 120	320	430 - 590	22	27

Chemical composition

C/ (mm) max.	C/ (mm) max.	C/ (mm) max.	Si max.	Mn max.	P max.	S max.	Nb max.	V max.	Al total max.	Ti max.	Cr max.	Ni max.	Mo max.	Cu max.	N max.
<= 16 mm	>16 <=40 mm	>40 mm													
0.14	0.14	0.14	0.500	1.600	0.025	0.020	0.050	0.100	0.020	0.050	0.30	0.50	0.10	0.550	0.015

Maximum

CEV:

t <= 16	0.39
> 16 < t <= 40	0.39
> 40 < t <= 63	0.40
> 63 < t <= 120	0.45
> 120 < t <= 150	0.45

