



BOILER PLATES

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|-----------------------|----------------------------|
| QUALITY | P355NL2 |
| STEEL NUMBER | 1.1106 |
| NORM | EN 10028-3 |
| CERTIFICATION | 3.1 / 3.2 - EN 10204 / TCM |
| HEAT TREATMENT | Normalized |

Mechanical properties :

| Thickness 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 |
| > 16 ≤ 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 | Si | Mn | P | S | Al | N | Cr | Cu | Mo | Nb | Ni | Ti | V |
|------|------|-------------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| max. | max. | | max. | max. | min. | max. | max. | max. | max. | max. | max. | max. | max. |
| 0,18 | 0,50 | 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%

Available from stock :

| Length | Width | Thickness |
|----------------|---|---|
| max. 14000 mm. | 2000 / 2500 / 3000 mm. 3250 / 3500 mm. 4000 mm. | 6 - 200 mm. max. 60 mm. max. 30 mm. |

* Please note that the information mentioned above is a brief summary.

For full specification, we refer to the actual norm.