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| QUALITY | 11SMnPb30 | Wr. 1.0718 |
| REFERENCE NORM HOT ROLLED STEEL PRODUCTS | | ISO 683-4 |
| REFERENCE NORM BRIGHT STEEL PRODUCTS | | UNI EN 10277 |

CHEMICAL COMPOSITION (%)

| C (max.) | Si (max.) | Mn (max.) | P (max.) | S | Pb |
|----------|-----------|-------------|----------|-------------|-------------|
| 0,14 | 0,05 | 0,90 ÷ 1,30 | 0,11 | 0,27 ÷ 0,33 | 0,20 ÷ 0,35 |

MECHANICAL PROPERTIES HOT ROLLED STEEL PRODUCTS (ISO 683-4)

| Size (mm) | Rm (MPa) | Rp0,2 (MPa) | A5 (%) min. | KV -20°C (J) min. | HBW max. |
|--------------|-----------|-------------|-------------|-------------------|----------|
| 5 ≤ t ≤ 10 | 380 ÷ 570 | | | | 169 |
| 10 < t ≤ 16 | 380 ÷ 570 | | | | 169 |
| 16 < t ≤ 40 | 380 ÷ 570 | | | | 169 |
| 40 < t ≤ 63 | 370 ÷ 570 | | | | 169 |
| 63 < t ≤ 100 | 360 ÷ 520 | | | | 154 |

MECHANICAL PROPERTIES BRIGHT STEEL PRODUCTS (UNI EN 10277)

| Size (mm) | (+SH) HOT ROLLED + PEELED | | (+C) COLD DRAWN | | |
|--------------|---------------------------|-----------|------------------|-----------|-------------|
| | Hardness (HBW) Max. | Rm (MPa) | Rp0,2 (MPa) Min. | Rm (MPa) | A5 (%) min. |
| 5 ≤ t ≤ 10 | | | 440 | 510 ÷ 810 | 6 |
| 10 < t ≤ 16 | | | 410 | 490 ÷ 760 | 7 |
| 16 < t ≤ 40 | 169 | 380 ÷ 570 | 375 | 460 ÷ 710 | 8 |
| 40 < t ≤ 63 | 169 | 370 ÷ 570 | 305 | 400 ÷ 650 | 9 |
| 63 < t ≤ 100 | 154 | 360 ÷ 520 | 245 | 360 ÷ 630 | 9 |

Indicative values based on current regulations.