



QUALITY	11SMnPb37	Wr. 1.0737
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	1,00 ÷ 1,50	0,11	0,34 ÷ 0,40	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.