

HOT ROLLED (UNI EN 10111)						
MECHANICAL CHARACTERISTICS						
Quality	R _e (MPa)		R _m (MPa)	A ₈₀ (%)		A ₅ (%)
	min-max		max	min		min
EN10111:98	1.5≤t<2.0	2.0≤t≤8.0		1.5≤t<2.0	2.0≤t<3.0	3.0≤t≤8.0
DD11	170–360	170-340	440	≥23	≥24	≥28
DD12	170–340	170-320	420	≥25	≥26	≥30
DD13	170-330	170-310	400	≥28	≥29	≥33
DD14	170-310	170-290	380	≥31	≥32	≥36

note:

Tensile tests carried out on transverse specimens

t = thickness of the laminate in mm

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CHEMICAL COMPOSITION				
Quality	C (%)	Mn (%)	P (%)	S (%)
EN10111:98	max	max	max	max
DD11	0.12	0.60	0.045	0.045
DD12	0.10	0.45	0.035	0.035
DD13	0.08	0.40	0.030	0.030
DD14	0.08	0.35	0.025	0.025