



E335GC
Non-alloy steel for structural purposes

(W. NR. 1.0543)

CHEMICAL COMPOSITION: (heat analysis according to the EN 10277-2:2008 standard)

	C %	Si %	Mn %	P %	S %	N %	Cu %
FROM	-	-	-	-	-	-	-
TO	-	-	-	0,045	0,045	0,012	-

***MECHANICAL FEATURES:** (according to the EN 10277-2:2008 standard)

Thickness mm	Rolled + peeled rolled (+SH)		Cold drawn (+C)		
	hardness HB	Rm (MPa)	Rp _{0,2} minimum values (MPa)	Rm (MPa)	A ₅ % minimum values
≥5≤10			540	700 - 1050	5
>10≤16			480	680 - 970	6
>16≤40	169 - 211	570 - 710	390	640 - 930	7
>40≤63	169 - 211	570 - 710	340	620 - 870	8
>63≤100	169 - 211	570 - 710	295	570 - 810	8

* Delivery condition: as rolled.

PROPERTIES:

Weldability:

Failing any prescriptions concerning chemical composition, no technical data about this steel weldability are available.

Notes:

CORRESPONDENCE WITH OTHER STANDARDS (purely as an indication) :

EN 10025-2:2004 E335	EN 10025:90 Fe 590-2	UNI 7070 Fe 590	DIN 17 100 St 60-2	NF A35-501 A 60-2
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