



**E295GC**  
Non-alloy steel for structural purposes

(W. NR. 1.0533)

**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 <sub>0,2</sub> minimum values (MPa)	Rm (MPa)	A <sub>5</sub> % minimum values
≥5≤10			510	650 - 950	6
>10≤16			420	600 - 900	7
>16≤40	140 - 181	470 - 610	320	550 - 850	8
>40≤63	140 - 181	470 - 610	300	520 - 770	9
>63≤100	140 - 181	470 - 610	255	470 - 740	9

\* 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 ) :

<b>EN 10025-2:2004</b> E295	<b>EN 10025:90</b> Fe 490-2	<b>UNI 7070</b> Fe 490	<b>DIN 17 100</b> St 50-2	<b>NF A35-501</b> A 50-2
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