

IMEX 701

HIGH YIELD STRENGTH STEEL

— Sheets, obtained per strip mill rolling process.
Good characteristics for cold forming and welding.

— **International standard:**
S700 MC according to EN 10149-2.

Chemical composition

C	Mn	Si	Nb	Ti	S	P	V	Al	Mo	B
≤ 0.12	≤ 2.10	≤ 0.60	≤ 0.09	≤ 0.22	≤ 0.15	≤ 0.025	≤ 0.2	≤ 0.015	≤ 0.5	≤ 0.005

The level of Nb + V + Ti must not exceed 0,22 %

Mechanical properties in delivery condition

Thickness (mm)	Ys (MPa)	UTS (MPa)	E (%)
3 - 8	700	750 - 950	12
8 - 10	700	750 - 950	12

— Applications:

High yield strength steels produced from strip mill have a wide field of applications for reducing the weight of manufactured parts. The technical reason for choosing this material is made due to the weight reduction possibilities manufactured items such as chassis, lifting equipment, construction plant or truck bodies.

— **Delivery condition:** Thermo-mechanically rolled.

— **Thickness range:** 3 - 10 mm.

— **Size range:** – Width 1250 - 3000 mm;
– Length up to 6000 mm.

Processing informations

— Cold bending:

thickness (mm)	Min. bending radius
3 - 6	2 x th
6 - 10	2,5 x th

Cold bending angle 90°, in according to EN 10149-2

General note

— If further informations are required,
please request a copy of our technical guide.

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