

# ABRAMAX MU

ABRASION RESISTANT PLATE  
THERMO-MECHANICALLY ROLLED  
OR NORMALIZED

## Chemical composition

C	S	P	Si	Mn	Cr	Mo
≤ 0.20	≤ 0.02	≤ 0.02	≤ 1	≤ 1.60	≤ 1.30	≤ 0.20

## Mechanical properties in delivery condition

— Thicknesses range 3 to 60 mm.  
Indicative hardness value for 15 mm is 330 HB.  
Guaranteed tensile values.

— **Delivery conditions:**  
Thermo-mechanically rolled or normalized depending on thickness.

— **Size range:**  
– Width 1000 - 3000 mm;  
– Length up to 6000 mm.

Thickness (mm)	UTS (MPa)	Ys (MPa)	E (%)
3 - 12	≥ 1050	≥ 730	<del>≥ 12</del>
3 - 40	≥ 950	≥ 650	≥ 12
41 - 60	≥ 900	≥ 600	<del>≥ 12</del>

Guaranteed impact values:  
– KCV Long -20 °C ≤ 15 J/cm<sup>2</sup>;  
– KCV Long -40 °C ≤ 10 J/cm<sup>2</sup>.  
These characteristics are shown on the quality certificate per thickness.

## Processing information

— **Flame cutting:**  
All conventional methods can be used i.e. oxy-gas, plasma and laser.

— **Shearing:**  
Not recommended

— **Machining:**  
The chemical composition and homogeneous structure of this grade of steel enables it to be easily machined, with machining productivity better than that of normalized 300 HB.

— **Rolling:**  
Minimum internal diameter 20 x th.

— **Cold bending:**

Thickness (mm)	Internal minimum radius	die opening minimum
≤ 8	3 x th	10 x th
> 8	4 x th	12 x th

— **Welding (in accordance with EN:1011):**  
Readily weldable under normal condition using MMA, MIG and MAG without preheating up to combine thickness 60 mm, provided low hydrogen controlled electrodes are used.

## General note

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

## Contact

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