



CR550LA-GI

Steels with high yield strength
for cold forming – micro-alloyed

Material no. -

Material data sheet

Surface finish

Thickness ranges

MB 1,20 - 2,00

Mechanical properties²⁾

Yield strength R_e in MPa

550 - 670

Tensile strength R_m in MPa

610 - 750

Total elongation A_{80} in %

≥ 12

Available dimensions

Thickness in mm Width in mm

1,20 - 2,00 1.100 - 1.500³⁾

3) Further widths on request

2) Test direction is in longitudinal rolling direction

Chemical composition¹⁾

(in percent by weight)

	min. in %	max. in %
C		0,15
Si		0,60
Mn		1,80
P		0,030
S		0,025
Ti		0,15
Al	0,015	
Nb		0,10

1) Heat analysis

Commitments regarding certain properties or a certain purpose of use require written arrangements. Technical changes as well as typesetting and printing errors reserved.