

## SSAB Form 04

## General Product Description

SSAB Form 04 is a mild steel intended for forming with the best conceivable properties in both drawing and stretch forming operations. SSAB Form 04 is used for a wide variety of applications including vehicle parts, refrigerators, electric radiators and water radiators.

## Dimension Range

SSAB Form 04 is available in thicknesses of 0.40-3.00 mm and widths up to 1500 mm as coils, slit coils and as cut to length in lengths up to 8.5 meters.

## Mechanical Properties

Yield strength $R_{p0.2}$ (max MPa)	Tensile strength $R_m$ (MPa)	Elongation $A_{80}^{*1)}$ (min %)	$r_{90}^{*1)2)}$ (min)	$n_{90}^{*2)}$ (min)
210	270- 350	38	1.6	0.18

The mechanical properties are tested in the transverse direction of rolling.

\*1) When the thickness is less than or equal to 0,7 mm and greater than 0,5 mm, the minimum value for elongation is reduced by 2 units. For a thickness less than or equal to 0,5 mm, the minimum value is reduced by 4 units.

1) When thickness is greater than 2mm the minimum value is reduced by 0.2.

2) The values of  $r_{90}$  and  $n_{90}$  only apply to products with a thickness equal to or greater than 0.5 mm.

## Chemical Composition

C (max %)	Si (max %)	Mn (max %)	P (max %)	S (max %)	Al (min %)	Nb+Ti (max %)
0.080	0.040	0.40	0.030	0.030	0.015	0.10

## Tolerances

## Thickness

SSAB Form 04 is supplied with thickness and width tolerances in accordance to EN 10131. More narrow thickness tolerances according to the SSAB standard are available on request.

## Length and Width

Cut to length material is supplied to length tolerances in accordance with EN 10131.

## Delivery Conditions

Cold rolled

## Fabrication and Other Recommendations

For information concerning welding and fabrication, see SSAB's brochures on [www.ssab.com](http://www.ssab.com) or consult Tech Support, [techsupport@ssab.com](mailto:techsupport@ssab.com). Appropriate health and safety precautions must be taken when welding, cutting, grinding or otherwise working on the product.

## Contact Information

[www.ssab.com/contact](http://www.ssab.com/contact)