

General Product Description

SSAB Form 05 is a mild steel intended for forming with the best conceivable properties in both drawing and stretch forming operations. SSAB Form 05 is used for a wide variety of applications including refrigerators, vehicle parts, electric radiators and water radiators.

Dimension Range

SSAB Form 05 is available in thicknesses of 0.50-3.00 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)
180	270- 330	40	1.9	0.20

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

*) 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 %)
0.060	0.040	0.35	0.025	0.025	0.015	0.10

Tolerances

Thickness

SSAB Form 05 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 or consult Tech Support, 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