

## DC06EK

### Mild steel grades for enamelling

Material no.	<b>1.0869</b>
according to	<b>DIN EN 10209 : 1996</b>

#### Chemical composition (in percent by weight)

	min.	max.
C		0.020 %
Ti		0.300 % <sup>1)</sup>

1) Titanium can be replaced by niob. Carbon and nitrogen must be fixed completely.

#### Mechanical properties (transverse)

Yield strength $R_{eL}/R_{p0.2}$
≤ 190 MPa

Tensile strength $R_m$
270 – 350 MPa

Total elongation $A_{80}$
≥ 38 %

Anisotropy
≥ 1.6

The samples for the tensile test are taken at right angles to rolling direction unless the product width is opposed to this.

#### Available dimensions

Thickness in mm	Width in mm
0.50 – 0.62	900 – 1,510
0.63 – 0.88	900 – 1,685
0.89 – 3.00	900 – 1,850

#### Surface finish

The steel grades for enamelling are available according to the surface finish specifications EN 10209 in surface finish A. Only material for white enamelling is available.