

## DC04

Mild, prepainted Steel grades  
for cold forming

Material no.	1.0338
according to	DIN EN 10130 : 1991

### Chemical composition (in percent by weight)

	min.	max.
C		0.08 %
P		0.03 %
S		0.03 %
Mn		0.40 %

### Mechanical properties <sup>1)</sup> (transverse)

Yield strength $R_{el}/R_{p0.2}$
≤ 210 MPa

Tensile strength $R_m$
270 – 350 MPa

Total elongation $A_{80}$
≥ 38 %

Hardening exponent
≥ 0.18

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.

<sup>1)</sup> All given mechanical properties refer to the carrier material before painting.

### Available dimensions <sup>1)</sup>

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

<sup>1)</sup> The max. cross-section (product: width x thickness) may not exceed 3,000 mm<sup>2</sup>.

### Coating systems

#### Varnish <sup>1)</sup>

SP	Polyester
SP-PA	Polyamide modified polyester
PUR	Polyurethane
PUR-PA	Polyamide modified polyurethane

<sup>1)</sup> Further steel grades with coating systems on request.