



DC03

Mild steels for cold forming

| | |
|--------------|-------------------------------|
| Material no. | 1.0347 |
| according to | DIN EN 10130 St 13 (FeP03) |

Chemical composition¹⁾

(in percent by weight)

| | min. in % | max. in % |
|----|-----------|-----------|
| C | | 0.1 |
| P | | 0.035 |
| S | | 0.035 |
| Mn | | 0.45 |

1) Heat analysis

Mechanical properties (transverse)

| |
|---|
| Yield strength $R_{eL}/R_{p0.2}$ in MPa |
| 140 – 240 |
| Tensile strength R_m in MPa |
| 270 – 370 |
| Total elongation A_{80} in % |
| ≥ 34 |
| Anisotropy r_{90} |
| ≥ 1.3 |

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 |
|---|---------------|
| 0.35 ²⁾ – 0.39 ²⁾ | 1,100 – 1,300 |
| 0.40 – 0.49 | 1,000 – 1,500 |
| 0.50 – 0.59 | 900 – 1,685 |
| 0.60 – 3.00 | 900 – 1,850 |
| 3.01 ²⁾ – 3.50 ²⁾ | 1,000 – 1,500 |

2) On request

Surface finish

The steel grade is available in the surface finish A and B and 03 and 05.

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