

P460NL2 ACC. TO DIN EN 10028-3

We keep the following steel grade in stock:

P460NL2 acc. to DIN EN 10028-3 Mat.no. 1.8918

P460NL2 is a weldable, fine grained, normalized steel for boiler and pressure vessels, with high yield strength combined with toughness to save weight in use.

Delivery with certificate 3.2 acc. to DIN EN 10204

Chemical composition (heat analysis %)

| Grade | C max. | Si max. | Mn | P max. | S max. | Al min. | Cr max. | Mo max. | Cu max. | Ni max. | V max. | Nb max. | Ti max. | N max. | Nb+Ti +V |
|---------|-----------|------------|----------------|-----------|-----------|------------|------------|------------|------------|------------|-----------|------------|------------|-----------|-------------|
| P460NL2 | 0,20 | 0,60 | 1,10 - 1,70 | 0,020 | 0,005 | 0,020 | 0,30 | 0,10 | 0,70 | 0,80 | 0,20 | 0,05 | 0,03 | 0,025 | 0,22 |

Mechanical properties in delivery condition:

Tensile testing on transverse specimens at room temperature.

| Grade | R _m (MPa) | | | | R _{eH} (MPa) min. | | | | A ₅ (% min.) | | |
|---------|----------------------|--------------|---------------|----------------|----------------------------|--------------|--------------|---------------|-------------------------|-------|-------|
| | ≤ 16 | > 16 ≤ 60 | > 60 ≤ 100 | > 100 ≤ 150 | ≤ 16 | > 16 ≤ 40 | > 40 ≤ 60 | > 60 ≤ 100 | > 100 ≤ 150 | ≤ 100 | > 100 |
| P460NL2 | 570 - 730 | 570 - 720 | 540 - 710 | 520 - 690 | 460 | 445 | 430 | 400 | 380 | 16 | 16 |

Impact test on charpy-V. Values min. 27 Joule at - 50° C - transverse test

Thickness/dimensions

Thickness: 8 - 150 mm /dimensions: up to 3,000 x 12,000 mm. You get these plates with our special ANCOFER-Service. Please contact our sales department flame cut parts.

ANCOFER is certificated in conformity to DIN EN ISO 9001:2015, to DIN EN 1090 and to DIN EN ISO 50001:2011

