

[EN 10028-3 P 460 NL2 steel plate/sheet](#) for High Yield Steel

Key words: [P 460 NL2 steel plate/sheet](#), EN 10028-3 P 460 NL2 steel plate/sheet, EN 10028-3 P 460 NL2 steel plate/sheet supplier/Chinese supplier, P 460 NL2 steel plate/sheet price, P 460 NL2 steel plate/sheet mechanical property.

[EN 10028-3 P 460 NL2 steel](#) equivalent grade:

P 460 NL2 steel plate/sheet is in EN 10028-3 standard, the equivalent material of P 460 NL2 steel is DIN 17102 E St E 460.

[EN 10028-3 P 460 NL2 steel chemical composition](#) %:

Main chemical composition in EN 10028-3 P 460 NL2 steel is carbon max 0.2, silicon max 0.60, manganese max 1.70, phosphorus max 0.02, Sulphur max 0.01, chromium max 0.30. More detailed information about P 460 NL2 steel, please refer to the down table:

| Element | P460NL2 | Element | P460NL2 |
|-----------------|--------------|------------------|---------|
| Carbon max. | 0.20 | Silicon max. | 0.60 |
| Manganese | 1.10 to 1.70 | Phosphorous max. | 0.020 |
| Sulphur max. | 0.010 | Chromium min. | 0.30 |
| Molybdenum max. | 0.10 | Nickel max. | 0.80 |
| Niobium max. | 0.05 | Titanium max. | 0.03 |
| Vanadium max. | 0.20 | Nitrogen max. | 0.025 |
| Aluminium max. | 0.020 | Copper max. | 0.70 |

EN 10028-3 P 460 NL2 steel mechanical property:

P460 NL2 steel plate is one of the mainly High Yield steel, Steel sheet P460 NL2 Boiler steel plates P460NL1 tensile strength is at 570_720 Mpa for thickness belows 60mm,even maximum 730 Mpa is OK for the product thicknesses up to 16 millimeters.

| Grade | Type | Thickness (mm) | Yield Strength MPa (min) | Tensile Strength MPa | Elongation % (min) |
|----------|------------|----------------|--------------------------|----------------------|--------------------|
| P460 NL2 | Normalized | ≤ 16 | 460 | 570 to 750 | 17 |
| | | 16> to ≤40 | 445 | 570 to 720 | 17 |
| | | 40> to ≤60 | 430 | 570 to 720 | 17 |
| | | 60> to ≤100 | 400 | 540 to 710 | 17 |
| | | 100> to ≤150 | — | — | 17 |

ICE steel is the professional Chinese steel exporter, especially in fin-grain structural steel. We keep 10000 tons ex-stock in our warehouse, and the MTC and sample of EN 10028-3 P 460 NL2 steel are available, so if need, welcome to contact ICE steel sales team.

Ice steel — The most professional exporter on weathering resistant steel

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