

High Yield steel plate Europe standard P460 NL2 steel plate

P460 NL2 steel plate, Europe standard P460 NL2 steel plate, under Europe standard standard, we can regard P460 NL2 steel plate as High Yield steel plate

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, P460NH Chemical composition cast analysis

P460NL2 Chemical composition cast analysis

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

Mechanical Properties of EN 10028 P460 NL2

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

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