

**EN 10120 P355NB steel plate/sheet for gas cylinders and gas vessels**

P355NB steel plate/sheet, under EN 10120 standard, we can regard P355NB steel plate/sheet for gas cylinders and gas vessels.

P355NB steel plate/sheet is one mainly of Steel for gas cylinders and gas vessels. EN 10120 P355NB steel is grade for gas cylinders in SG255, SG295, SG325 and SG365, which all with the different tensile strength of 400MPa, 440MPa, 490MPa and 540MPa.

Chemical composition unit%

Symbol	Chemical composition				
	C max	Si max	Mn max	P max	S max
P355 NB	0.20	0.55	1.50	0.040	0.040

Mechanical properties

Symbol	Yield point or proof stress N/mm <sup>2</sup> (min)	Tensile strength N/mm <sup>2</sup> min	Elongation % min	Tensile test piece	Bendability		
					Bending Angle	Inside radius	Test piece
P355 NB	365	540	20	NO.5 in rolling direction	180°	Thickness x 1.0 Thickness x 1.5	No.3 in rolling direction

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