

## Chemical Composition

	Max
Carbon	-
Silicon	-
Manganese	-
Phosphorus	0.04
Sulphur	0.04
Steel Grade : SGP	

## Mechanical Properties

	Min
Tensile	290 MPa
Yield	-
Elongation	19 - 25 up to wall thickness

## JIS G3452: CARBON STEEL PIPES FOR ORDINARY PIPING

Nominal Diameter		Outside Diameter (mm)			Wall Thickness		Unit mass excluding socket	Hydrostatic Test
DN	size	std	Pipes to be cut in taper thread	Other pipes	mm	Tolerances	kg/m	MPa (Bar)
15	1/2"	21.7	± 0.5 mm	± 0.5 mm	2.8	-12.5% +Not specified	1.31	2.5 (25)
20	3/4"	27.2	± 0.5 mm	± 0.5 mm	2.8		1.68	2.5 (25)
25	1"	34	± 0.5 mm	± 0.5 mm	3.2		2.43	2.5 (25)
32	1-1/4"	42.7	± 0.5 mm	± 0.5 mm	3.5		3.38	2.5 (25)
40	1-1/2"	48.6	± 0.5 mm	± 0.5 mm	3.5		3.89	2.5 (25)
50	2"	60.5	± 0.5 mm	± 1%	3.8		5.31	2.5 (25)
65	2-1/2"	76.3	± 0.7 mm	± 1%	4.2		7.47	2.5 (25)
80	3"	89.1	± 0.8 mm	± 1%	4.2		8.79	2.5 (25)
90	3-1/2"	101.6	± 0.8 mm	± 1%	4.2		10.1	2.5 (25)
100	4"	114.3	± 0.8 mm	± 1%	4.5		12.2	2.5 (25)
125	5"	139.8	± 0.8 mm	± 1%	4.5		15	2.5 (25)
150	6"	165.2	± 0.8 mm	± 1.6%	5.0		19.8	2.5 (25)