

PE WATER SUPPLY PIPE

Junxing polyethylene pipes are a safe, long lasting and cost effective solution for potable water supply, irrigation, Telecom and, Gas distribution & slurry transport application with diameter from DN20mm to DN1600mm. Junxing HDPE pipes are manufactured from imported Basell virgin raw material with the help of the state of art manufacturing facilities.



FEATURES:

- High corrosion resistance, resulting into a longer life.
- High impact strength
- Extremely light weight and hence easy to handle
- High flexibility
- High abrasion resistance
- Excellent water hammer characteristic helps, sustaining surges
- Excellent flow characteristics leading to significant energy savings
- Shifting soils - no breakage
- Earthquake resistance
- No infiltration, helps maintaining the quality of fluids being conveyed
- No trenches needed, resulting into easy and economical installation
- High UV resistance to scaling and biological build up
- Allows fusion to eliminate leakages
- Emergency connection possible



TeCHniCaL SPeCifiCaTion:

Standard: GB/T13663, ISO4427, EN13244, EN12201, AS/NZ4130, DIN8074, IS:4984-1995, GOST18599-2001

Color: black pipe with blue strip, other colors as request.

Length: 5.8m/pc, 6m/pc, 11.8m/pc, 12m/pc or coil pipe as request.

no.	iTem	requiremenTS	
1	Percentage of breaking-elongation,%	≥350	
2	Longitudinal reversion(100°C),%	≤3	
3	Oxidation induction time (200°C)min	≥20	
4	Weather resistance After the pipe has accepted the aging energy which equal to or more than 3.5GJ/m ²	80°C static hydraulic strength (165h)	No break, no leakage.
		Percentage of breaking-elongation,%	≥350
		Oxidation induction time (200°C)min	≥10

1. Only suitable for pipe in blue color.

Application field: Drinking water supply pipe for urban and rural area, liquid transmission pipe in chemical, chemical fiber, food, forestry and metallurgy industry, waste water drainage pipe, mining slurry transmission pipe for mining field.

APPLICATIONS:

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• Water Supply System

- ① Transportation and distribution system
- ② House service connection
- ③ Geo-thermal pipe for room heating & hot water system



• industrial

- ① For Effluents, chemicals and treated/untreated waster disposal.
- ② As Hydro Transport System for handling and conveyance iron ore slurry, - coal / cement slurry and slurry transportation in mines.
- ③ For conveyance of edible oil, fruit pulps, juices, milks and other food materials.
- ④ As ducts for ventilation and air conditioning.

• environmental Protection

- ① Rehabilitation of existing sewer
- ② Effluent and waste treatment plant pipes
- ③ Dust suppression piping systems in cement industry
- ④ Sand slurry disposal pipes in dredging
- ⑤ De-gassing pipes in water effluent marine outfalls

• Agriculture

- ① Piping for submersible and jet pumps
- ② Suction and delivery pipes
- ③ Sprinkler piping for irrigation

• other

- ① Transportation of chemicals, solids, gas and oils
- ② Underwater pipelines. / Desalination plants
- ③ Bore wall delivery lines
- ④ Telecommunication cable ducting



PE WATER SUPPLY PIPE

SPeCifiCaTionS:

nominal outer diameter	Pipe wall thickness					
	SDR33	SDR26	SDR21	SDR17	SDR13.6	SDR11
	0.4Mpa	0.6 Mpa	0.8 Mpa	1.0 Mpa	1.25 Mpa	1.6 Mpa
	PN4	PN6	PN8	PN10	PN12.5	PN16
20	--	2.0	2.0	2.0	2.0	2.3
25	--	2.0	2.0	2.3	2.3	2.3
32	--	2.0	2.3	2.3	2.5	3.0
40	--	2.3	2.3	2.5	3.0	3.7
50	--	2.3	2.5	3.0	3.7	4.6
63	--	2.9	3.0	3.7	4.7	5.8
75	--	3.0	3.7	4.5	5.6	6.8
90	--	3.7	4.3	5.4	6.7	8.2
110	--	4.2	5.3	6.6	8.1	10.0
125	--	4.8	6.0	7.4	9.2	11.4
140	--	5.4	6.7	8.3	10.3	12.7
160	--	6.2	7.7	9.5	11.8	14.6
180	--	6.9	8.6	10.7	13.3	16.4
200	--	7.7	9.6	11.9	14.7	18.2
225	--	8.6	10.8	13.4	16.6	20.5
250	--	9.6	11.9	14.8	18.4	22.7
280	--	10.7	13.4	16.6	20.6	25.4
315	--	12.1	15.0	18.7	23.2	28.6
355	--	13.6	16.9	21.1	26.1	32.2
400	--	15.3	19.1	23.7	29.4	36.3
450	--	17.2	21.5	26.7	33.1	40.9
500	--	19.1	23.9	29.7	36.8	45.4
560	--	21.4	26.7	33.2	41.2	50.8
630	--	24.1	30.0	37.4	46.3	57.2
710	21.8	27.2	33.9	42.1	52.2	64.5
800	24.5	30.6	38.1	47.4	58.8	72.6
900	27.6	34.4	42.9	53.3	66.2	81.7
1000	30.6	38.2	47.7	59.3	72.5	90.2
1200	36.7	45.9	57.2	67.9	88.2	--
1400	42.9	53.5	66.7	82.4	102.9	--
1600	49.0	61.2	76.2	94.1	117.6	--

SOCKET FUSION FITTINGS

equal CouPLer



Specification (mm)

20	25	32
40	50	63
75	90	110

90 degree eLboW



Specification (mm)

20	25	32
40	50	63
75	90	110

reduCer/reduCing CouPLer



Specification (mm)

25*20	32*20	32*25
40*20	40*25	40*32
50*20	50*25	50*32
50*40	63*20	63*25
63*32	63*40	63*50
75*32	75*40	75*50
75*63	90*32	90*50
90*63	90*75	110*32
110*50	110*63	110*75

equal Tee



Specification (mm)

20	25	32
40	50	63
75	90	110

end CaP



Specification (mm)

20	25	32
40	50	63
75	90	110

reduCing Tee



Specification (mm)

25*20	32*20	32*25
40*20	40*25	40*32
50*20	50*25	50*32
50*40	63*20	63*25
63*32	63*40	63*50
75*32	75*40	75*50
75*63	90*50	90*63
90*75	110*40	110*50
110*63	110*75	110*90

90 degree reduCing eLboW



Specification (mm)

25*20	32*20	32*25
40*32	50*40	63*50

45 degree eLboW



Specification (mm)

20	25	32
40	50	63

SOCKET FUSION FITTINGS

femaLe THreaded CouPLing



Specification (mm)

20*1/2"	25*1/2"	25*3/4"
32*3/4"	32*1"	40*1.1/4"
50*1.1/2"	63*2"	--

maLe THreaded CouPLing



Specification (mm)

20*1/2"	25*1/2"	25*3/4"
32*1"	40*1.1/4"	50*1.1/2"
63*2"	--	--

maLe THreaded union



Specification (mm)

20*1/2"	20*3/4"	25*1/2"
25*3/4"	25*1"	32*1"
40*1.1/4"	50*1.1/2"	63*2"

maLe THreaded eLboW



Specification (mm)

20*1/2"	25*1/2"	25*3/4"
32*3/4"	32*1"	--

femaLe THreaded Tee



Specification (mm)

20*1/2"	25*1/2"	25*3/4"
32*1/2"	32*3/4"	32*1"

femaLe THreaded eLboW



Specification (mm)

20*1/2"	25*1/2"	25*3/4"
32*3/4"	32*1"	--

SToP vaLve



Specification (mm)

20	25	32
40	50	63

femaLe THreaded union



Specification (mm)

20*1/2"	25*3/4"	32*1"
40*1.1/4"	50*1.1/2"	63*2"

HoT fuSion braSS baLL vaLve



Specification (mm)

20	25	32
40	50	63

doubLe PLAsTiC union



Specification (mm)

20	25	32
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SingLe femaLe braSS baLL vaLve



Specification (mm)

20*1/2"	25*3/4"	32*1"
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SingLe maLe braSS baLL vaLve



Specification (mm)

20*1/2"	25*3/4"	32*1"
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BUTT FUSION FITTINGS

reduCing CouPLing



Specification (mm)		
75*50	75*63	90*32
90*50	90*63	90*75
110*50	110*63	110*75
110*90	125*75	125*90
125*110	140*90	140*110
140*125	160*110	160*125
160*140	180*110	180*140
180*160	200*110	200*160
200*180	250*110	250*160
250*200	315*160	315*200
315*250	400*200	400*250
400*315	--	--

end CaP



Specification (mm)		
75	90	110
125	140	160
180	200	225
250	315	355
400	450	500

reduCing Tee



Specification (mm)		
75*50	75*63	90*32
90*50	90*63	90*75
110*50	110*63	110*75
110*90	125*75	125*90
125*110	140*90	140*110
140*125	160*110	160*125
160*140	180*110	180*140
180*160	200*110	200*160
200*180	250*110	250*160
250*200	315*160	315*200
315*250	400*200	400*250
400*315	--	--

STub end



Specification (mm)		
75	90	110
125	140	160
180	200	225
250	315	355
400	450	500
630	710	--

90 eLboW



Specification (mm)		
75	90	110
125	140	160
180	200	250
315	400	--

45 eLboW



Specification (mm)		
75	90	110
125	140	160
180	200	--

equal Tee



Specification (mm)		
75	90	110
125	140	160
180	200	250
315	400	--

FABRICATED FITTINGS

equal 90 eLboW



Specification (mm)		
75	90	100
125	140	160
180	200	225
250	315	355
400	450	500
560	630	710
800	900	1000
1200	1400	1600

45 eLboW



Specification (mm)		
75	90	100
125	140	160
180	200	225
250	315	355
400	450	500
560	630	710
800	900	1000
1200	1400	1600

reduCing Tee



90*50	110*50	110*63
125*50	125*63	140*50
140*63	140*75	160*50
160*63	160*75	160*90
200*50	200*63	200*75
200*90	200*110	250*50
250*63	250*75	250*90
250*110	250*125	315*50
315*63	315*75	315*90
315*110	315*125	315*140
315*160	355*50	355*63
355*75	355*90	355*110
355*125	355*140	355*160
400*50	400*63	400*75
400*90	400*110	400*125
400*140	400*160	400*200
450*110	450*160	450*200
450*225	500*160	500*200
500*225	500*250	560*160
560*200	560*225	560*250
630*200	630*225	630*250
630*315	710*160	710*200
710*250	710*315	710*355
800*200	800*250	800*315
800*355	800*400	900*315
900*355	900*400	900*450
1000*355	1000*400	1000*450
1000*500	1200*400	1200*450
1200*500	1200*560	--

equal CroSS



Specification (mm)		
75	90	100
125	140	160
180	200	225
250	315	355
400	450	500
560	630	710
800	900	1000
1200	1400	1600

equal Tee



Specification (mm)		
75	90	100
125	140	160
180	200	225
250	315	355
400	450	500
560	630	710
800	900	1000
1200	1400	1600