

PVC-U Water Pipe

PVC pipe has developed as a water supply pipe, with acid and alkali resistance, corrosion resistance, good pressure resistance, high strength, light weight, low cost, small fluid resistance, no secondary pollution, and meets the health requirements, and it has easy construction operation superior performance. Promoting PVC-U pipe complies with the Ministry of Construction, the State Economic and Trade Commission guidelines for the development of chemical building materials, conforms to the people living standard improving development needs. PVC environmental protection to the plumbing system has been used in Europe and other countries for decades , has become the most common and most widely used water supply system.

PVC-U /PVC-M

Material: Unplasticized Poly

Size: DN20-630mm

Pressure Rating: PN0.63, PN0.8, PN1.0, PN1.25, PN1.6,PN2.0, PN2.5

Color :white, grey, blue, or other specified color upon request

Stand: GB/T10002.1-2006,ISO1452:2009,EN ISO1452-2,EN ISO15877-1,EN ISO15877-2,ISO4422-2,BS6920

PIPE specification	Stand: ISO1452:2009						
	Copressare Rating						
	0.32MPa	0.63MPa	0.8MPa	1MPa	1.25MPa	1.6MPa	2MPa
20	-	-	-	-	-	√	√
25	-	-	-	√	√	√	√
32	-	-	-	√	√	√	√
40	-	-	-	√	√	√	√
50	-	-	√	√	√	√	√
63	-	√	√	√	√	√	√
75	√	√	√	√	√	√	√
90	√	√	√	√	√	√	√
110	√	√	√	√	√	√	√
125	√	√	√	√	√	√	-
140	-	√	√	√	√	√	-
160	√	√	√	√	√	√	-
180	-	√	√	√	√	√	-
200	√	√	√	√	√	√	-
225	-	√	√	√	√	√	-
250	-	√	√	√	√	√	-
315	-	√	√	√	√	√	-
355	-	√	√	√	√	√	-
400	-	√	√	√	√	√	-
450	-	√	√	√	√	√	-
500	-	√	√	√	√	√	-
560	-	√	√	√	√	-	-
630	-	√	√	√	√	-	-

Gasketed: 63-630mm Belled end : all kinds.

Property

◎Properties of pipe and fitting

Properties		Typical Value
Specific Gravity, g/cm ³ (20°C)		1.35-1.46
Vicat Softening Temperature, °C		≥80
Longitudinal Reversion,% (150°C)		≤5
Dichloromethane Resistance Test,(15°C, 15min)		No change
Falling Weight Impact Test, (0°C) TIR, %		≤5
hydraulic pressure test	20°C, 1h, Hoop Stress is 36MPa (dn < 40mm)	No broken, no leakage
	20°C, 1h, Hoop Stress is 38MPa (dn ≥40mm)	
	20°C, 100h, Hoop Stress is 30MPa(All Size)	
	60°C, 1000h, Hoop Stress is 10MPa (All Size)	
Fitness Test for Purpose of the System	Leak tightness Test	No broken, no leakage
	Negative Pressure Test for Leak	No broken, no leakage
	Angular Deflection Test for Leak tightness	No broken, no leakage



Advantages

- Sanitary:**
There is no heavy metal additives in PVC-U water pipe and it would not be covered with dirt or contaminated by bacterium.
- Small fluid resistance:**
interior walls are smooth, roughness coefficient is 0.009, small fluid resistance improves the water pipe network conditions, reduces system operating costs.
- Corrosion resistance:**
PVC pipe has excellent resistance to acid, alkali, corrosion.
- Low Installation costs:**
PVC-U water pipe is lightweight and is installed with solvent cement, thread, flange, and gasketed joint. Ease of installation reduces the installation costs.
- Mechanical strength :**
PVC-U water pipe has good pressure resistance ,shock resistance, tensile strength property.
- Environmental-friendly:**
PVC-U water pipe can work for long life and it can be recycled



Applications



- Residential and commercial building water supply
- Residential area, plant area for buried water supply system
- Water treatment pipeline
- Industrial liquids transportation
- Landscape irrigation, drilling engineering, and other industrial pipe





PVC-U Water Pipe Fitting					
90° Elbow			Tee		
	SIZE(mm)	Qty/Ctn		SIZE(mm)	Qty/Ctn
	20	1000		20	600
	25	480		25	340
	32	300		32	240
	40	180		40	146
	50	128		50	108
	63	60		63	60
	75	54		75	32
	90	46		90	28
	110	16		110	18
	125	12		125	16
	140	12		140	10
	160	8		160	4
	180	4		180	4
	200	4		200	4
	225	2		225	2
	250	2		250	2
	280	2		280	1
315	1	315	1		
355	1	355	1		
400	1	400	1		

Male adapter			Female adapter		
	SIZE(mm)	Qty/Ctn		SIZE(mm)	Qty/Ctn
	20X1/2"	1050		32X1"	460
	25X3/4"	800		40X1 1/4"	270
	32X1"	460		50X1 1/2"	175
	40X1 1/4"	280		63X2"	175
	50X1 1/2"	252		75X2 1/2"	96
	63X2"	120		90X3"	60
	75X2 1/2"	80		110X4"	36
	90X3"	60			
110X4"	36				

45° Elbow		CAP			
	SIZE(mm)		Qty/Ctn	SIZE(mm)	Qty/Ctn
	20		900	20	2600
	25		600	25	1600
	32		300	32	900
	40		200	40	850
	50		110	50	600
	63		100	63	264
	75		60	75	196
	90		36	90	95
	110		20	110	60
	125		20	125	55
	140		12	140	30
	160		12	160	18
	180		4	180	16
	200		4	200	12
	225		4	225	6
	250		2	250	4
	280		2	280	4
	315		1	315	4
355	1	355	2		
400	1	400	2		

Female Thread Adapter (Soc x Fipt)		Nipple (Fipt x Fipt)			
	SIZE(mm)		Qty/Ctn	SIZE(mm)	Qty/Ctn
	20X1/2"		1050	20X1/2"	1500
	25X1/2"		820	25X3/4"	850
	25X3/4"		820	32X1"	450
	32X1/2"		400	40X1 1/4"	270
	32X3/4"		400	50X1 1/2"	200
	32X1"		270	63X2"	180

Reducer (Soc x Soc)		90° Reducing Tee (Soc x Soc x Soc)			
	SIZE(mm)		Qty/Ctn	SIZE(mm)	Qty/Ctn
	25X20		920	25X20	420
	32X20		860	32X20	240
	32X25		1000	32X25	220
	40X20		480	40X20	250
	40X25		480	40X25	190
	40X32		480	40X32	190
	50X20		420	50X20	150
	50X25		420	50X25	140
	50X32		420	50X32	140
	50X40		280	50X40	114
	63X25		228	63X20	105
	63X32		228	63X25	105
	63X40		228	63X32	99
	63X50		228	63X40	90
	75X32		156	63X50	105
	75X40		174	75X32	60
	75X50		140	75X40	51
	75X63		168	75X50	42
	90X40		125	75X63	36
	90X50		95	90X50	30
	90X63		95	90X63	28
	90X75		95	90X75	28
	110X50		48	110X50	22
	110X63		48	110X63	24
	110X75		48	110X75	24
	110X90		48	110X90	18
125X63	44	125X63	18		
125X75	72	125X75	18		
125X90	36	125X90	16		
125X110	48	125X110	18		
140X90	18	140X90	-		
140X110	18	140X110	12		
160X90	18	160X90	12		
160X110	18	160X110	6		
160X125	18	160X125	6		
160X140	18	160X140	4		
180X160	15	180X160	4		
200X110	8	200X75	4		