

CPVC PIPES &
FITTINGS
PVC AGRI PIPES
COLUMN
PIPES
UPVC PIPES &
FITTINGS
WATER TANKS
& DRUMS
PVC PIPES



Proudly made in india.



9001:2015

A GROUP OF
SRI KIRTHIKA PIPES PVT. LTD.

For more details
www.sunplastpipes.com

Sunplast has wide range of products which it can offer CPVC Pipes & Fittings, uPVC Pipes & Fittings, uPVC Borewell Column Pipes, PVC Agri Pipes, Water Tanks and Drums and PVC Electrical conduit Pipes.

SUNPLAST is one of the rapidly growing Brand in the Pvc plumbing and water tanks market .Sunplast brand has been in the market for for more than 20 years It is well accepted and appreciated by the plumbers and others. Sunplast has built its goodwill on the top notch quality and service.

Sunplast pipes and tanks are manufactured with 100% Virgin Raw material under strict quality control for superior quality and standards.

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K I R T H I K A

PIPES PVT. LTD.

General Properties of uPVC Pipes



SIZE	TEST METHOD	UNIT	CHARACTERISTIC VALUE
Specific Gravity	ISO / R 1183 ASTM D 792	Rockwell R	1.43
Hardness	ISO /R 868 ASTM D 785	Mg/Cm2(psi)	120
Water Absorption	ISO 2508 ASTM D 570	Kg/Cm2(psi)	(5.7-8.5 X 10-6)
Tensile Strength At 15oc	ISO /R 527 ASTM D 638-60T	Kg/Cm2(psi)	500-550 (7200-7800)
Bending Strength	ISO 178 ASTM D 790-59T	Kg/Cm2(psi)	860 (12000)
Compressive Strength	ISO 604 ASTM D 695	Kg/Cm2(psi)	660 (9400)
Shearing Strength	ASTM D 732	Kg/Cm2(psi)	400 (5700)
Elongation At Ultimate Tensile Strength	ISO /R 527 ASTM D 638	%	100-170
Modulus Of Elasticity	ASTM D 747	Kg/Cm2(psi)	2.89 X 104 4.10 X 105
Poisson At 200 C (170 F)	-	-	0.38
Impact Strength	ISO / R 179 ASTM D 256-56	Kg-cm/cm2 (ib-feet/inch/notched)	5.0 (0.91)
Coefficient Of Linear Expansion	ASTM D 696	OC-1	7 X 10-5
Specific Heat	-	Cal/g0C (BTU/lB0F)	(0.2-0.5)
Thermal Conductivity	-	Kcal/m/h.0C(BTU/ft.hr0F)	0.11-0.14 (0.074-0.094)
Flame Resistance	ISO / R 1210 ASTM D 635-56T	-	Self extinguishing
Volume Resistance	ASTM D 257-54T	Q-cm-(Q-mil)	More than 1015 more than 2.5 X 1012)
Dielectric Constant 200c 1 Kc	ASTM D 150-54T	-	3.2
Dielectric Strength	-	KV/mm(KV/mil)	More than 40 (more than 1.0)
Dielectric Power Factor 200c 1 Kc	-	-	0.02
Softening Temperature	ASTM D 648-56	0C(0F)	76.3(170)



Wire Lock
for extra safety

uPVC BOREWELL COLUMN PIPES FOR SUBMERSIBLE PUMPS

- Square Threads - for superior grip
- Pump guard - for extra safety
- 'O' Ring & multiple washers leak proof joints
- A perfect fit between pipe & coupler

Sunplast uPVC Column Pipes

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Wire Lock
for extra safety



Square Threads
for superior grip



Pump Guard -
for extra safety



'O' Ring & Multiple
washer leak
proof joints

SIZE	CLASS	PRESSURE kgf/cm ²	FEET	STD PACK	COLOUR
1"	V4 12.5	12.50 KGF/CM ²	410 FT	20 LEN	ORANGE 
1"	V4 15	15.00 KGF/CM ²	500 FT	20 LEN	PURPLE 
1 1/4"	V4 12.5	12.50 KGF/CM ²	410 FT	20 LEN	ORANGE 
1 1/4"	V4 18	18.00 KGF/CM ²	590 FT	20 LEN	PURPLE 
1 1/2"	V4 12.5	12.50 KGF/CM ²	410 FT	20 LEN	ORANGE 
1 1/2"	V4 15	15.00 KGF/CM ²	500 FT	20 LEN	PURPLE 
1"	CRYSTAL	18.00 KGF/CM ²	590 FT	20 LEN	GREEN 
1"	STD	30.00 KGF/CM ²	990 FT	20 LEN	RED 
1 1/4"	CRYSTAL	21.00 KGF/CM ²	690 FT	20 LEN	GREEN 
1 1/4"	STD	30.00 KGF/CM ²	980 FT	20 LEN	RED 
1 1/4"	HEAVY	35.00 KGF/CM ²	1160 FT	15 LEN	BLUE 
1 1/4"	SUPER HEAVY	45.00 KGF/CM ²	1480 FT	15 LEN	BLACK 
1 1/2"	CRYSTAL	21.00 KGF/CM ²	690 FT	20 LEN	GREEN 
1 1/2"	STD	30.00 KGF/CM ²	980 FT	20 LEN	RED 
1 1/2"	HEAVY	35.00 KGF/CM ²	1150 FT	15 LEN	BLUE 
1 1/2"	SUPER HEAVY	40.00 KGF/CM ²	1320 FT	15 LEN	BLACK 
2"	CRYSTAL	17.00 KGF/CM ²	560 FT	15 LEN	GREEN 
2"	STD	30.00 KGF/CM ²	990 FT	15 LEN	RED 
2"	HEAVY	35.00 KGF/CM ²	1140 FT	10 LEN	BLUE 
2"	SUPER HEAVY	40.00 KGF/CM ²	1300 FT	10 LEN	BLACK 



CPVC PLUMBING SYSTEMS

FOR HOT AND COLD WATER

- ISI 15778 quality standards
- Hot water performance from up to 93oC.
- Perfecting fitting for fast & easy installation.
- Lowest bacterial growth safe for drinking water.
- Fire resistant compound.
- UV resistant against sun light.
- Corrosion resistant.

Sunplast CPVC Plumbing Pipes & Fittings

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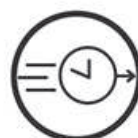
hot water
performance
from up to 93°C.



Fire Retardant



Lowest
bacterial growth



fast & easy
installation



UV resistant



Corrosion
resistant

Standards:

Pipes : IS 15778 (SDR 11 & 13.5)

Fittings : ASTM D 2846 (SDR 11)

HOT & COLD WATER

CPVC Pipes SDR 11 (Class 1)



SIZES INCHES	MM	STANDARD PACKAGE
3/4 inch	20	50 Len
1 inch	25	25 Len
1 1/4 inch	32	15 Len
1 1/2 inch	40	10 Len

CPVC Pipes SDR 13.5 (Class 2)



SIZES INCHES	MM	STANDARD PACKAGE
3/4 inch	20	50 Len
1 inch	25	25 Len
1 1/4 inch	32	15 Len
1 1/2 inch	40	10 Len



uPVC PIPE CONFORMITY

WITH TIS 17-2532 IN ARTIC BLUE COLOUR

UPVC PIPE CONFORMITY WITH TIS 17-2532 IN ARTIC BLUE COLOUR

NOMINAL SIZE	OUTSIDE DIAMETER	THICKNESS		
		PVC 5	PVC 8.5	PVC 13.5
18 (½")	22 +/- 0.15	-	2.0 +/- 0.20	2.5 +/- 0.20
20 (¾")	26 +/- 0.15	-	2.0 +/- 0.20	2.5 +/- 0.20
25 (1")	34 +/- 0.15	-	2.0 +/- 0.20	3.0 +/- 0.25
35 (1 ¼")	42 +/- 0.15	1.5 +/- 0.15	2.0 +/- 0.20	3.1 +/- 0.25
40 (1 ½")	48 +/- 0.15	1.5 +/- 0.15	2.3 +/- 0.20	3.5 +/- 0.25
55 (2")	60 +/- 0.15	1.8 +/- 0.20	2.9 +/- 0.25	4.3 +/- 0.30
65 (2 ½")	76 +/- 0.20	2.2 +/- 0.20	3.5 +/- 0.25	5.4 +/- 0.35
80 (3")	89 +/- 0.20	2.5 +/- 0.20	4.1 +/- 0.30	6.4 +/- 0.40
100 (4")	114 +/- 0.30	3.2 +/- 0.25	5.2 +/- 0.35	8.1 +/- 0.50

uPVC PIPE LOW PRESSURE IN ARTIC BLUE COLOUR

NOMINAL SIZE	OUTSIDE DIAMETER	THICKNESS
18 (½")	22 +/- 0.15	2.0
20 (¾")	26 +/- 0.15	2.0
25 (1")	34 +/- 0.15	2.0
35 (1 ¼")	42 +/- 0.15	2.0
40 (1 ½")	48 +/- 0.15	2.0
55 (2")	60 +/- 0.15	2.0
65 (2 ½")	76 +/- 0.20	2.0
80 (3")	89 +/- 0.20	2.0
100 (4")	114 +/- 0.30	2.0



uPVC PLUMBING SYSTEM FOR COLD WATER PLUMBING

- Lead-free material safeguards drinking water.
- Low bacterial growth free from toxic odours and tastes.
- Corrosion resistance guarantees constant flow for lifetime.
- Strong and light weight.
- UV and Fire resistance
- High impact resistance.
- Perfecting fitting for fast & easy installation.
- Low maintenance & cost effective.

Sunplast uPVC Plumbing Pipes



Lead-free material



Lowest bacterial growth



Corrosion resistant



High impact resistance.



Low maintenance & cost effective



UV resistant



Strong and light weight



fast & easy installation

uPVC HIGH PRESSURE SOLVENT CEMENT JOINTING PIPES

NOMINAL SIZE	OUTSIDE DIAMETER (MM)		WALL THICKNESS(MM)					
			ASTM D 1785 SCHEDULE 40		ASTM D 1785 SCHEDULE 80		ASTM D 2665 (DRAIN,WASTE,VENT)	
INCH	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
½	21.24	21.44	2.77	3.28	3.73	4.24	-	-
¾	26.57	26.77	2.87	3.38	3.91	4.42	-	-
1	33.27	33.53	3.38	3.89	4.55	5.08	-	-
1 ¼	42.03	42.29	3.56	4.07	4.85	5.43	3.56	4.06
1 ½	48.11	48.41	3.68	4.19	5.08	5.69	3.68	4.19
2	60.17	60.47	3.91	4.42	5.54	6.20	3.91	4.42
2 ½	72.84	73.20	5.16	5.77	7.01	7.85	-	-
3	88.70	89.10	5.49	6.15	7.62	8.53	5.49	6.15
4	114.07	114.53	6.02	6.73	8.56	9.58	6.02	6.73
6	168.00	168.56	7.11	7.97	10.97	12.29	7.11	7.98

NOTE :

BS 3505/3506, SINGAPORE SPECIFICATION SS141-1976 (EXCEPT 2 1/2") HAVE SIMILAR DIAMETERS AVAILABLE IN STANDARD LENGTH : 6 METERS



PVC PIPES

PRESSURE & NON PRESSURE

- Light weight, easy handling and maintenance.
- Quick to install, solvent cement based jointing system.
- Corrosion resistance -provides constant flow compared to G.I.
- Pipes & fittings which are prone to rusting and clogging.
- Long life.
- Cost-effective plumbing solution.

uPVC PRESSURE PIPES (MM SERIES) MEETING SPECIFICATIONS OF IS 4985 : 1988

OUTSIDE DIAMETER	TOLERANCE ON OUTSIDE DIAMETER	CLASS 1 2.5kgf/cm ²		CLASS 2 4kgf/cm ²		CLASS 3 6kgf/cm ²		CLASS 4 4kgf/cm ²		PLUMBING PIPE 15kgf/cm ²	
INCH		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
20	(+0.3)	-	-	-	-	-	-	1.1	1.5	2.8	3.3
25	(+0.3)	-	-	-	-	-	-	1.4	1.8	2.9	3.4
32	(+0.3)	-	-	-	-	-	-	1.8	2.2	3.4	3.9
40	(+0.3)	-	-	-	-	1.4	1.8	2.2	2.7	3.6	4.2
50	(+0.3)	-	-	-	-	1.7	2.1	2.8	3.3	3.7	4.3
63	(+0.3)	-	-	1.5	1.9	2.2	2.7	3.5	4.1	-	-
75	(+0.3)	-	-	1.8	2.2	2.6	3.1	4.2	4.9	-	-
90	(+0.3)	1.3	1.7	2.1	2.6	3.1	3.7	5.0	5.7	-	-
110	(+0.4)	1.6	2.0	2.5	3.0	3.7	4.3	6.1	7.0	-	-
140	(+0.5)	2.0	2.4	3.2	3.8	4.8	5.5	7.7	8.7	-	-
160	(+0.5)	2.3	2.8	3.7	4.3	5.4	6.2	8.8	9.9	-	-
180	(+0.6)	2.6	3.1	4.2	4.9	6.1	7.0	9.9	11.1	-	-
200	(+0.6)	2.9	3.4	4.6	5.3	6.8	7.7	11.0	12.3	-	-
225	(+0.7)	3.3	3.9	5.2	6.0	7.6	8.6	12.4	13.9	-	-
250	(+0.8)	3.6	4.2	5.7	6.5	8.5	9.6	13.8	15.4	-	-
280	(+0.9)	4.1	4.8	6.4	7.3	9.5	10.7	15.4	17.2	-	-
315	(+1.0)	4.6	5.3	7.2	8.2	10.7	12.0	17.3	19.3	-	-
355	(+1.1)	5.2	5.9	8.1	9.4	-	-	-	-	-	-
400	(+1.2)	5.8	6.7	9.1	10.5	-	-	-	-	-	-

NOTE :

INTERNATIONAL STANDARDS HAVING SIMILAR OUTSIDE DIAMETER ARE BS 4660(110MM TO 315MM).
BS 4514 (110MM & 160MM) DIN 19532/19531/18061/8062:150/DIS 3633 SERIES.B:SINGAPORE SPEEN
SS-213(4"&6'). ALSO MANUFACTURE PRESSURE PIPES AS PER BS3505/06.

Sunplast SUCTION HOSE

Tubings come in various colours and specification and can be used for various applications like gardening, Constructions, Medical equipment, automobiles, industry water purifier, poultry farm, fisheries, etc. Also food grade and non-toxic tube can be supplied as per customers specifications.

SKI FLEX

NORMAL SIZE		DIAMETER		BENDING RADIUS mm	PRESSURE (AT 300°C)		STANDARD LENGTHS mtrs.
In	mm	ID mm	OD mm				
¾	20	19.0 +/- 0.5	23.6 +/- 1.0	45	7.0	24.0	30
1	25	25.4 +/- 0.5	30.0 +/- 1.0	55	7.0	23.0	30
1 ¼	30	31.8 +/- 0.5	36.8 +/- 1.0	75	6.5	20.0	30
1 ½	40	38.0 +/- 0.5	43.3 +/- 1.0	95	5.0	16.0	30
2	50	50.8 +/- 0.5	47.8 +/- 1.5	122	4.0	16.0	30
2 ½	65	63.5 +/- 1.0	72.0 +/- 1.5	160	4.0	16.0	30
3	75	76.2 +/- 1.0	85.0 +/- 1.5	272	3.5	15.0	30
4	100	101.2 +/- 1.0	112.2 +/- 2.0	290	3.5	11.0	30

SUPER FLEX

NORMAL SIZE		DIAMETER		BENDING RADIUS mm	PRESSURE (AT 300°C)		STANDARD LENGTHS mtrs.
In	mm	ID mm	OD mm				
1	25	25.4 +/- 0.5	31.5 +/- 0.5	48	8.0	25.0	30
1 ¼	30	31.8 +/- 0.5	38.8 +/- 0.5	68	7.0	21.0	30
1 ½	40	38.0 +/- 0.5	46.3 +/- 0.5	70	5.5	18.0	30
2	50	50.8 +/- 0.5	60.8 +/- 1.5	100	4.5	18.0	30
2 ½	65	63.5 +/- 1.0	74.5 +/- 1.5	120	4.5	18.0	30
3	75	76.2 +/- 1.0	87.2 +/- 1.5	155	4.5	18.0	30
4	100	101.2 +/- 1.5	114.2 +/- 2.0	213	4.0	14.0	15 / 30
5	125	127.0 +/- 1.5	141.0 +/- 2.0	230	3.0	10.0	15
6	150	152.4 +/- 1.5	169.4 +/- 2.0	375	2.5	9.0	15



Flexibility : Specially Formulated to have greater flexibility that is retained throughout its long life.

The hoses can be bent with a tight radius without crushing or kinking.

Clarity : The Transparent construction enable visual monitoring of flow through the hose.

High Flow Rate : Smooth inside surface results in excellent flow properties and minimum friction losses.

Long Life : Tough enough to resist abrasion, distortion and crushing during rough use.

Resistance to Chemicals : High Chemical resistance makes it suitable for handling chemicals.

Also available in food grade quality.

Easy to Handle : More efficient than rubber hoses in all respect. Light in Weight and Easy to handle.

PVC BRAIDED HOSE

Size in mm	Size in Inches	Working Pressure kg/cm ²	Standard Length Meters
6 mm	1/4"	25	100
8 mm	5/16"	24	100
10 mm	3/8"	23	100
12 mm	1/2"	23	100
20 mm	3/4"	20	100/200
25 mm	1"	16	100
31mm	1 1/4"	15	30/50
40 mm	1 1/2"	14	30/50
50 mm	2"	12	30/50

SUPER SPRAY / CAR WASHING HOSE

Size in mm	Size in Inches	Working Pressure kg/cm ²	Standard Length Meters
10 mm	3/8"	40	100
12 mm	1/2"	30	100

POWER SPRAY HOSE

Size in mm	Size in Inches	Working Pressure kg/cm ²	Standard Length Meters
8 mm	5/16"	48	100
10 mm	3/8"	38	100
12 mm	1/2"	30	100

WHITE PVC BRAIDED HOSE

Size in mm	Size in Inches	Working Pressure kg/cm ²	Standard Length Meters
6 mm	1/4"	22	100
8 mm	5/16"	20	100
10 mm	3/8"	18	100
12 mm	1/2"	14	100
20 mm	3/4"	12	30/50/100
25 mm	1"	12	30/50/100
31mm	1 1/4"	12	30/50
40 mm	1 1/2"	10	30/50
50mm	2"	8	30/50

WELDING PIPE (RED & BLUE)

Size in mm	Size in Inches	Working Pressure kg/cm ²	Standard Length Meters
8 mm	5/16"	20	100

GARDEN WATER HOSE

Size in mm	Size in Inches	Working Pressure kg/cm ²	Standard Length Meters
12 mm	1/2"	3	30/50/100
20 mm	3/4"	3	30/50/100
25 mm	1"	3	30/50/100





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