



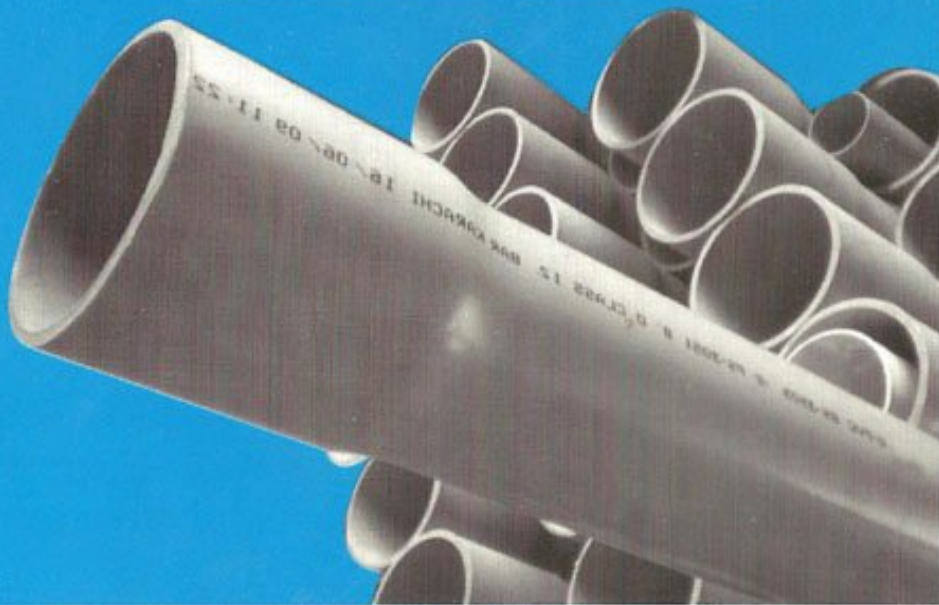
Classic UPVC/HDPE PIPES

The Name of Quality

ACCORDING TO BSS - 3505 PS - 3051

ASTM D-1785 & D-2241 SDR SERIES

Now Available in 1/2" to 24" Dia



Approved by:



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Characteristics & Advantages of CLASSIC uPVC Pipes

We are in the plastic age today. It is now a proven fact that uPVC Pipes have successfully replaced all other conventional types of pipes like Mild Steel, Cast Iron, G.I, RCC and Asbestos cement pipes in the field of water supply, drain and other sectors of their use.

Resistant to elements injurious to health i.e. free from corrosion, abrasion, growth of bacteria, algae and fungi.

It is light in weight, handling cost is appreciably low and easy to transport.

Installation is easy as the weight is low and the simplicity to join reduces the installation time exceptionally and installation cost is low as well.

High flow capabilities! As the uPVC Pipes are not corrosive and inert to chemical or electrochemical resistance i.e. non toxic and non conductive with smooth bore and no scale formation restrict the extra pumping cost.

It is self extinguished.

It does not support combustion,


Thermally and electrically insulated.

It does not affect the taste, odour or smell of drinking water.

Applications of CLASSIC Pipes

- CLASSIC pipes possess a vast field of application some of which are listed below.
- Tube wells Casing
- Sanitary plumbing
- Water Supply System like potable water distribution
- Drainage system
- Chemical industries
- Cold water services
- Sewage system
- Agriculture, Horticulture And Greenhouse Irrigation System
- Chilled Water line for Refrigeration and Air-conditioning system
- Electric Cable Safety System

CLASSIC UPVC PRESSURE PIPES FOR COLD POTABLE DRINKING WATER AS PER PS-3051:9TI8S.3505:1968

 Nominal Size		Mean Outside Diameter (mm)		Class-B 200 Ft-Head 87 lbf/in ² (6 Bar)			Class-C 300 Ft-Head 130 lbf/in ² (9 Bar)			Class-D 400 Ft-Head 173 lbf/in ² (12 Bar)			Class-E 500 Ft-Head 217 lbf/in ² (15 Bar)		
		Min.	Max.	Average Value (mm).	Individual Value (mm).		Average Value (mm).	Individual Value (mm).		Average Value (mm).	Individual Value (mm).		Average Value (mm).	Individual Value (mm).	
Inch	Min.	Max.	Max.	Min.	Max.	Max.	Min.	Max.	Max.	Min.	Max.	Max.	Min.	Max.	
3/8"	17.0	17.3	--	--	--	--	--	--	--	--	--	1.9	1.5	1.9	
1/2"	21.2	21.5	--	--	--	--	--	--	--	--	--	2.1	1.7	2.1	
3/4"	26.6	26.9	--	--	--	--	--	--	--	--	--	2.5	1.9	2.5	
1"	33.4	33.7	--	--	--	--	--	--	--	--	--	2.7	2.2	2.7	
1-1/4"	42.1	42.4	--	--	--	--	--	--	2.7	2.2	2.7	3.2	2.7	3.2	
1-1/2"	48.1	48.4	--	--	--	--	--	--	3.0	2.5	3.0	3.7	3.1	3.7	
2"	60.2	60.5	--	--	--	3.0	2.5	3.0	3.7	3.1	3.7	4.5	3.9	4.5	
2-1/2"	75.0	75.3	--	--	--	3.5	3.0	3.5	4.5	3.9	4.5	5.5	4.8	5.5	
3"	88.7	89.1	3.4	2.9	3.4	4.1	3.5	4.1	5.3	4.6	5.3	6.5	5.7	6.6	
4"	114.1	114.5	4.0	3.4	4.0	5.2	4.5	5.2	6.8	6.0	6.9	8.3	7.3	8.4	
5"	140.0	140.4	4.4	3.8	4.4	6.3	5.5	6.4	8.3	7.3	8.4	10.1	9.0	10.4	
6"	168.0	168.5	5.2	4.5	5.2	7.5	6.6	7.6	9.9	8.8	10.2	12.1	10.8	12.4	
7"	193.5	194.0	6.0	5.2	6.0	8.7	7.7	8.9	11.4	10.1	11.7	13.9	12.4	14.3	
8"	218.8	219.4	6.1	5.3	6.1	8.8	7.8	9.0	11.6	10.3	11.9	14.1	12.6	14.5	
10"	272.6	273.4	7.5	6.6	7.6	10.9	9.7	11.2	14.3	12.8	14.8	17.5	15.7	18.1	
12"	323.4	324.3	8.8	7.8	9.0	12.9	11.5	13.3	17.0	15.2	17.5	20.8	18.7	21.6	
14"	355.0	356.0	9.6	8.5	9.8	14.1	12.6	14.5	18.6	16.7	19.2	22.8	20.5	23.6	
16"	405.0	406.9	10.9	9.7	11.2	16.2	14.5	16.7	21.1	19.0	21.9	26.0	23.4	27.0	
18"	456.7	457.7	12.3	11.0	12.7	18.2	16.3	18.8	23.8	21.4	24.6	--	--	--	
20"	507.5	508.5	13.7	12.2	14.1	20.2	18.1	20.9	--	--	--	--	--	--	
22"	558.3	559.3	15.0	13.4	15.5	22.1	19.9	22.9	--	--	--	--	--	--	
24"	609.1	610.1	16.3	14.6	16.8	24.1	21.7	25.0	--	--	--	--	--	--	

WEIGHT OF UPVC PIPE PER METER (MINIMUM)

British Standard 3505 does not indicate weight of pipes. It depends on the formation, density and tolerance. Approximate weight for CLASSIC upvc pipes are given in the table below.

Nominal Size	CLASS-B Kgs/M	CLASS-C Kgs/M	CLASS-D Kgs/M	CLASS-E Kgs/M
3/8"	-	-	-	0.11
1/2"	-	-	-	0.15
3/4"	-	-	-	0.22
1"	-	-	-	0.32
1-1/4"	-	-	0.41	0.50
1-1/2"	-	-	0.54	0.65
2"	-	0.68	0.82	1.03
2-1/2"	-	1.01	1.20	1.58
3"	1.17	1.41	1.82	2.22
4"	1.78	2.32	3.03	3.65
5"	2.44	3.49	4.55	5.51
6"	3.46	5.01	6.57	7.95
8"	5.30	7.72	10.05	12.17
10"	8.26	11.95	15.59	18.89
12"	11.55	16.85	21.51	26.28
14"	13.87	20.27	26.49	36.16
16"	18.17	23.14	-	-
18"	23.14	33.83	-	-
20"	31.70	42.40	-	-
22"	38.35	50.94	-	-
24"	41.87	60.45	-	-

The use of uPVC for the production of pipes and related products is one of the most dramatic success stories of this century

CLASSIC uPVC pressure pipes are manufactured in conformity with BS 3505/ PS-3051/1991. **CLASSIC** uPVC pressure pipes are used in water supply and distribution. In addition, we offer tailor-made solutions as per the requirement of our valued clients and have expertise to manufacture in accordance with other international standards such as ASTM and DIN.

Wall Casing Pipes

Wall Casing Pipes (PS 3505) (PS 3051) (Class B, C, D & E)

CLASSIC Wall Casing / Stainers / Slotted or Perforated / Screen pipes, are produced from uPVC pressure pipes according to PS-3051 (BS-3505), The applications of these pipes include , wells, boring, canals, rivers, roadside drainage, playgrounds and others, Available in Class B, C, D & E in pipe diameters from 1/2" to 24" in standard lengths of 4 and 6 meters. Color: Grey / Blue.

CLASSIC Wall casing are made available up on orders within shortest possible time period in vertical slots along the length, however customized screening pipes provided with pores can also be produced fulfilling all requirements while considering requisite technical parameters.



Classification of **CLASSIC** Pipes

Class	WORKING PRESSURE		TESTING PRESSURE		Meter Head of Water
	Bar	lbf/in2	Bar	lbf/in2	
B	6	87	9	130	60
C	9	130	14	195	90
D	12	173	18	259	120
E	15	217	23	325	150

PRESSURE TEMPERATURE RELATIONSHIP

	20°C	30°C	40°C	50°C	60°C
	68°F	86°F	104°F	122°F	140°F
Class (B)					
Metre Hd	60	48	36	24	12
Mpa	0.60	0.48	0.36	0.24	0.12
psi	87	69	52	59	17
Class (C)					
Metre Hd	90	72	54	36	18
Mpa	0.90	0.72	0.54	0.36	0.18
psi	130	104	78	52	26
Class (D)					
Metre Hd	120	96	72	48	24
Mpa	1.20	0.90	0.72	0.48	0.24
psi	173	139	104	69	35
Class (E)					
Metre Hd	150	120	90	60	30
Mpa	1.50	1.20	0.90	0.60	0.30
psi	216	173	130	87	44

UPVC Pipes (ASTM)

UPVC pipes (ASTM D-1785 Sch. 40, 80 and D-2241 SDR SERIES)

CLASSIC uPVC pipes according to ASTM D-1785 (SCH-40 & 80, and D-2241 SDR Series) have excellent chemical resistance across their operating temperature range, with a broad band of operating pressures. Due to their long term strength characteristics, high stiffness and cost effectiveness **CLASSIC** uPVC systems accounts for a large proportion of piping installation, such as for potable water supply / conveyance, pressure systems, sewerage, drainage, housing, industrial and chemical effluents. **CLASSIC** uPVC pipes are available in diameters from ½" to 24" in standard length of 13 Fit & 20 Fit in white colors.

uPVC pipes and fittings are based on advanced polymer chemistry, made from a specialty plastic chemically known as Plasticized Polyvinyl Chloride (PVC). This innovation is the result of new technology that ensures increased product toughness year round. **CLASSIC** uPVC system design and standards incorporate significant engineering safety factors, which should translate to a long service life.

This water distribution system is assembled with readily available, simple and inexpensive tools (chamfering tool and ratchet cutter only). Solvent cemented joints, proven with more than 40 years of successful service history of trouble free performance, assure the reliability of a plumbing system. Notable advantages of uPVC piping are it is not susceptible to corrosion, electrolysis or scale build-up in areas where water, soil and atmospheric conditions are aggressive.





CLASSIC PIPES DIMENSIONS ACCORDING TO
ASTM D-2241 SDR-SERIES

Nominal Size Inches	Outside Dia (d) mm	Wall Thickness (S) mm	Nominal Avg. Weight Kg/m	Pressure Rating Bar
2" SDR-26	60.32	2.8	0.768	11.00
3" SDR-32.5	88.90	2.7	1.093	8.62
3" SDR-26	88.90	3.5	1.417	11.00
4" SDR-41	114.30	3.2	1.667	6.89
4" SDR-32.5	114.30	4.0	2.082	8.62
4" SDR-26	114.30	4.5	2.333	11.00
6" SDR-64	168.28	3.2	2.450	4.34
6" SDR-41	168.28	4.5	3.445	6.89
6" SDR-32.5	168.28	5.2	3.987	8.62
8" SDR-41	219.08	6.0	5.988	6.89
8" SDR-32.5	219.08	7.0	6.987	8.62

The Standard Length (L) is 6 Meters.

Outside Diameter Wall Thickness and Tolerance for PVC Pipe Schedule 40 & 80

PVC Sch - 40 ASTM D 2665 & 1785

Nominal Size	Outside Diameter (mm)		SCH-40 Dimensions			
			Min wall thickness		Max. W.P	Weight / mtr
	Inch	mm	Inch	mm	PSI	
1/4	0.540	13.716	0.088	2.235	780	0.128
3/8	0.675	17.145	0.091	2.311	620	0.167
1/2	0.840	21.336	0.109	2.769	600	0.248
3/4	1.050	26.670	0.113	2.870	480	0.329
1	1.315	33.401	0.133	3.378	450	0.483
1-1/4	1.660	42.164	0.14	3.556	370	0.653
1-1/2	1.900	48.260	0.145	3.683	330	0.779
2	2.375	60.325	0.154	3.912	280	1.045
2-1/2	2.875	73.025	0.203	5.156	300	1.650
3	3.500	88.900	0.216	5.486	260	2.160
4	4.500	114.300	0.237	6.020	220	3.074
5	5.563	141.300	0.258	6.553	190	4.169
6	6.625	168.275	0.28	7.112	180	5.414
8	8.625	219.075	0.322	8.179	160	8.154
10	10.750	273.050	0.365	9.271	140	11.579
12	12.750	323.850	0.406	10.312	130	15.280
14	14.000	355.600	0.437	11.125	130	18.086
16	16.000	406.400	0.5	12.700	130	23.627
18	18.000	457.200	0.562	14.275	130	30.703
20	20.000	508.000	0.593	15.062	120	36.066
24	24.000	609.600	0.687	17.450	120	50.187

PVC Sch - 80 ASTM D 2665 & 1785

Nominal Size	Outside Diameter (mm)		SCH-80 Dimensions			
			Min wall thickness		Max. W.P	Weight / mtr
	Inch	mm	Inch	mm	PSI	
1/4	0.540	13.716	0.119	3.023	1130	-
3/8	0.675	17.145	0.126	3.200	920	0.211
1/2	0.840	21.336	0.147	3.734	850	0.309
3/4	1.050	26.670	0.154	3.912	690	0.419
1	1.315	33.401	0.179	4.547	630	0.615
1-1/4	1.660	42.164	0.191	4.851	520	0.850
1-1/2	1.900	48.260	0.2	5.080	470	1.032
2	2.375	60.325	0.218	5.537	400	1.428
2-1/2	2.875	73.025	0.276	7.010	420	2.177
3	3.500	88.900	0.3	7.620	370	2.916
4	4.500	114.300	0.337	8.560	320	4.264
5	5.563	141.300	0.375	9.525	290	5.915
6	6.625	168.275	0.432	10.973	280	8.139
8	8.625	219.075	0.5	12.700	250	12.364
10	10.750	273.050	0.593	15.062	230	18.362
12	12.750	323.850	0.687	17.450	230	25.223
14	14.000	355.600	0.75	19.050	220	30.260
16	16.000	406.400	0.843	21.412	220	38.902
18	18.000	457.200	0.937	23.800	220	50.026
20	20.000	508.000	1.031	26.187	220	61.216
24	24.000	609.600	1.218	30.937	210	86.847

CLASSIC PVC ELECTRIC CONDUIT SYSTEM

S.S PLASTIC manufactures a complete line of PVC conduit and fittings. Our complete system is used in above and below ground applications. CLASSIC PVC electrical conduit pipes are available in 1/2" to 4" diameters in standard length of 10 feet.

CLASSIC PVC electrical conduit pipes and fittings are used in exposed, encased in concrete, concealed in walls and direct burial applications. Our conduit and fittings are used in many applications, including:

- Cable, data and communication lines
- Institutional, commercial and industrial buildings
- Residential applications, including service entrances
- Transportation systems - bridges, tunnels and airports

Keeping in view of quality, CLASSIC electrical conduit system is manufactured from PVC in conformity with 85-6099. CLASSIC electrical conduits are most valued by our clients because of superior quality and excellent after sales services.

Fittings

We offer a complete line of fittings to be used with our conduit. Bends - Short and Long Radius (1/2" to 4")
Sockets (1/2" to 4") Junction Box - Wall and Roof Type Saddle clip Fan Box Light Box (3" and 4")

Quality Management

CLASSIC PVC pipes are inspected and tested by qualified Quality Control professionals in our state of the art laboratory for conformance to the specifications to ensure standardization of the supplied products as per national and international standards. The scope of quality control tests ensures that the dimensional, mechanical (bending test, compression test, impact test and collapse test) and electrical (insulation resistance and electric strength test) characteristics of the products conform to the relevant standard. In addition, we reinforce our quality control and quality assurance by having our products tested by reliable third party authorities.

Benefits:

Corrosion Resistant - As they will not rust or corrode from electrochemical and galvanic environments.

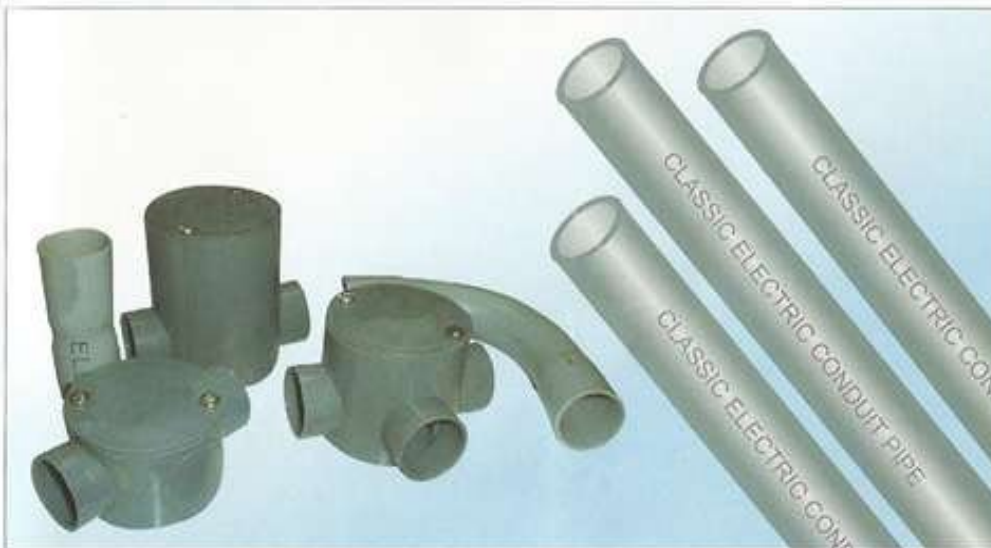
Non-Conductive since PVC is an insulated material.

Self-extinguishing - No fire hazard, inhibit fire growth.

Durable - No degradation of material. Light Weight Material, It is comparatively 1/5th the weight of steel and half the weight of aluminum, therefore making it easier to move and handle.

Labour Savings - It is easy to install, cut and join without the requirement of any special tools.

Smooth Interior - Wire is not damaged when pulled through.



Classification of CLASSIC Pipes

CLASSIC Pipes are classified by their maximum sustained working Pressure in the following classes, based on working stress of material at 20°C

Size	Wall Thickness	Length
1/2"	1.16 mm	10 ft
3/4"	1.29 mm	10 ft
1"	1.36 mm	10 ft
1-1/4"	1.67 mm	10 ft
1-1/2"	1.84 mm	10 ft
2"	1.90 mm	10 ft
2"	1.90 mm	13 ft
3"	1.90 mm	10 ft
3"	1.90 mm	13 ft
4"	1.90 mm	10 ft
4"	1.90 mm	13 ft
6"	3.4 mm	13 ft

CLASSIC PE - 100 Pressure Pipes & Fittings

We aim to save you and your money CLASSIC PE-100 pipes & fittings have a proven high reliability record across a wide range of industries and applications. PE also provides a long maintenance free lifetime with low whole life costs, compared to many other conventional materials. CLASSIC PE-100 pipes are strong, extremely tough and long lasting. CLASSIC PE-100 pipes will meet all your requirements of long service, trouble-free installation, flexibility, resistance to corrosion and chemicals. Specification(s): ISO 4427:2007 and PS 3580:1997

APPLICATION

Advantages of CLASSIC PVC-U Pipes

- Potable Water Distribution Systems
- Chilled Water Piping
- Cooling Water
- EChemical/aggressive fluids
- Domestic waste disposal
- Effluents, mining slurries, dredging
- Telecommunication and power cables
- De-Watering Pipes
- Drip Irrigation Systems
- Sea Water Effluents
- Storage Tank Piping
- Water Intakes
- Water Outfalls
- Water Treatment/Sewage Treatment



CLASSIC UPVC PIPES



Classic UPVC/HDPE PIPES
The Name of Quality
ACCORDING TO BSS - 3505 PS - 3051
ASTM D-1785 & D-2241 SDR SERIES



Manufacturer:

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