

## Streamlining Water & more



uPVC

cPVC

SWR

HDPE

# Ori-Plast<sup>®</sup> COMPLETE PLUM



CPVC is the abbreviated form of chlorinated poly vinyl chloride, an amorphous (non-crystalline) thermoplastic material produced by post-chlorination of PVC i.e. replacing a portion of hydrogen by chlorine. The transformed material is characterized by higher temperature resistance than PVC as well as higher tensile strength, toughness and an exceptional chemical resistance. These unique properties have made CPVC an ideal piping material for hot and cold water applications, for housing (both residential and commercial) and industry.



DIMENSION CHART OF ORI-PLAST CPVC PIPES AS PER IS 15778:2007						
Nominal Size	Mean Outside Diameter		Class - 1 SDR 11		Class - 2 SDR 13.5	
	Min	Max	Min	Max	Min	Max
15	15.8	16.0	1.7	2.2	1.4	1.9
20	22.1	22.3	2.0	2.5	1.7	2.2
25	28.5	28.7	2.6	3.1	2.1	2.6
32	34.8	35.0	3.2	3.7	2.6	3.1
40	41.2	41.4	3.8	4.3	3.1	3.6
50	53.9	54.1	4.9	5.5	4.0	4.6
Working Pressure in MPa at	27° C		2.76		2.18	
	82° C		0.68		0.55	

Note: The minimum wall thickness of 15mm Nom. Size pipe are not function of SDR which is the ratio of minimum outside diameter to minimum wall thickness.

(All dimensions are in 'mm')



In today's world, uPVC SWR drainage system pipes have totally outclassed the traditional use of CI and AC pipes for Soil, Waste and Rain Water drainage systems. Ori-Plast manufactures the full range of uPVC pipes and fittings for 75mm, 110mm and 160mm SWR systems.

# BING & SANITARY SOLUTIONS

**Ori-Plast**<sup>®</sup>  
**uPVC**

PREMIUM PLUMBING PIPES AND FITTINGS

Ori-Plast's uPVC plumbing pipes are manufactured from PVC1120 grade of material as per ASTM D 1784 (specification for compounds) having a Cell classification of 12454-B and safe hydrostatic design stress of 2000 psi (or 14.0 MPa) at 23°C.

Ori-Plast's uPVC plumbing pipes manufactured as per ASTM D 1785 are a frontrunner in water distribution applications, both in residential and commercial buildings.

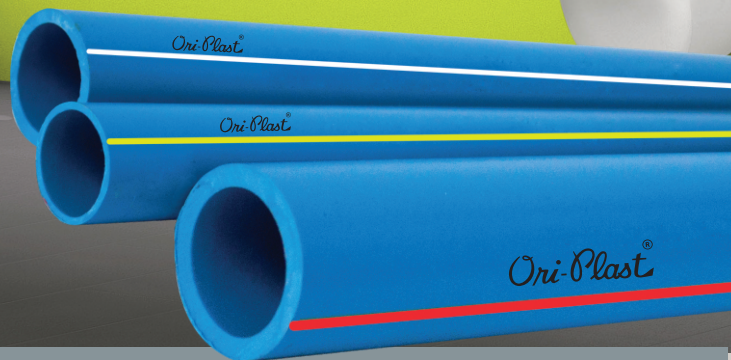
PIPE DIMENSIONS OF SCHEDULE 40 & 80 AS PER ASTM-D-1785 AND RECOMMENDED WORKING PRESSURE FOR SOLVENT CEMENT JOINTS AT 23°C WATER TEMPERATURE

Nominal Size in 'inches'	Mean Outside Diameter in mm		SCHEDULE 40				SCHEDULE 80			
			Working Pressure in kgf/cm <sup>2</sup>	Wall Thickness in mm		Working Pressure in kgf/cm <sup>2</sup>	Wall Thickness in mm			
	Min	Max		Min	Max		Min	Max		
1/2	21.2	21.4	41.4	2.8	3.3	58.6	3.7	4.2		
3/4	26.6	26.8	33.1	2.9	3.4	47.6	3.9	4.4		
1	33.3	33.5	31.0	3.4	3.9	43.4	4.6	5.1		
1 1/4	42.0	42.3	25.6	3.6	4.1	36.0	4.9	5.4		
1 1/2	48.1	48.4	22.8	3.7	4.2	32.4	5.1	5.7		
2	60.2	60.5	20.8	3.9	4.4	28.0	5.5	6.2		

DIMENSION CHART OF ORI-PLAST uPVC SWR PIPES AS PER IS 13592:1992

Nominal Outside Diameter	Mean Outside Diameter		Wall Thickness for "Type A"		Wall Thickness for "Type A"	
	Min	Max	Min	Max	Min	Max
75	75.0	75.3	1.8	2.2	3.2	3.8
110	110.0	110.4	2.2	2.7	3.2	3.8
160	160.0	160.5	3.2	3.8	4.0	4.6

(All dimensions are in 'mm')



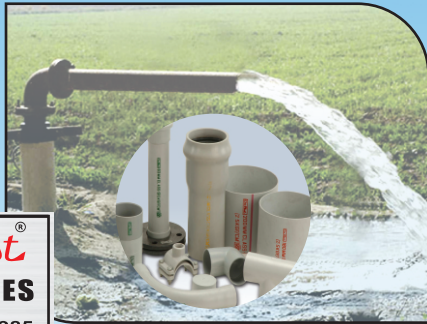
# Ori-Plast<sup>®</sup> Other Products



**Ori-Plast<sup>®</sup>**  
**HDPE PIPES**  
AS PER IS 14151



**Ori-Plast<sup>®</sup>**  
**HDPE PIPES**  
AS PER IS 4984  
and IS 14333



**Ori-Plast<sup>®</sup>**  
**uPVC PIPES**  
AS PER IS 4985



**Ori-Plast<sup>®</sup>**  
**LLDPE Tank**  
AS PER IS 12701



**Ori-Plast<sup>®</sup>**  
**UPVC CASING &  
SCREEN PIPES  
FOR BORE WELLS**  
AS PER IS 12818



**Ori-Plast<sup>®</sup>**  
**UPVC COLUMN PIPES  
FOR  
SUBMERSIBLE PUMPSET**

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