



CPVC

CATALOGUE

DELIVERING
HEALTH
DELIVERING
WARMTH



FOR HOT & COLD
WATER APPLICATION

Corrosion Free •
Fire Resistant •
Lifetime Warranty •

PIPES &
FITTINGS
NO LEAD
NO HEAVY
METALS



IS 15778:2007





Ori-Plast cPVC Delivering Water Everywhere

Chlorinated Polyvinyl Chloride or cPVC is a modern age thermoplastic material that is produced by chlorination of polyvinyl chloride (PVC) resin. cPVC is the result of a new technology that replaces a portion of hydrogen with chlorine, producing a material that is tougher, has unmatched chemical and heat resistance, and excellent tensile strength. These properties make cPVC pipes and fittings from Ori-Plast, the ideal solution for the supply of hot and cold water everywhere from homes to industries. Also with the guarantee of almost zero maintenance, users can just fit the pipes and forget about them.

Unique Features



Carries hot water up to 82° degree Celsius



Made from environment friendly compounds



Unique designs



Lightweight and easy to transport



All weather corrosion resistant



No scaling or pitting, maintains flow



Combustion and UV resistant



Bears consistent pressure



Low thermal expansion and contraction



Absorbs vibration



High impact resistant



Fast and easy installation



Consistent and reliable jointing



Low lifetime ownership cost

Application Areas



RO and DM Water Plants



Industrial Units



Residential Units and Complexes



Commercial Buildings



Hotels



Hospitals



Swimming Pools

cPVC PIPES & FITTINGS

Dimension chart of Ori-Plast cPVC Pipes as per IS 15778:2007 (All dimensions are in 'mm')						
Nominal Diameter	Mean Outside Diameter		Class-1 SDR 11		Class-2 SDR 13.5	
	Min	Max	Min	Max	Min	Max
15	15.80	16.00	1.70	2.20	1.40	1.90
20	22.10	22.30	2.00	2.50	1.70	2.20
25	28.50	28.70	2.60	3.10	2.10	2.60
32	34.50	35.00	3.20	3.70	2.60	3.10
40	41.20	41.40	3.80	4.30	3.10	3.60
50	53.90	54.10	4.90	5.50	4.00	4.60
Working Pressure in MPA	27°C 82°C		2.76 0.68		2.18 0.55	

Temperature Correction / Derating

Operating Temperature		cPVC 4120
°F	°C	
70	21	1.00
80	27	1.00
90	32	0.91
100	38	0.82
110	43	0.77
115	46	0.74
120	49	0.65
125	52	0.64
130	54	0.62
140	60	0.50
150	66	0.47
160	71	0.40
170	77	0.32
180	82	0.25
200	93	0.20

Working Pressure in MPA

Nominal Diameter	Schedule 40		Schedule 80	
	23°C	82°C	23°C	82°C
15	4.14	1.03	5.86	1.45
20	3.31	0.83	4.76	1.17
25	3.10	0.76	4.34	1.07
32	2.55	0.62	3.59	0.90
40	2.28	0.48	3.24	0.79
50	1.93	0.48	2.76	0.79
65	2.07	0.52	2.90	0.72
80	1.79	0.45	2.55	0.62
90	1.65	0.41	2.41	0.59
100	1.52	0.38	2.21	0.55
125	1.31	0.31	2.00	0.48
150	1.24	0.31	1.90	0.48



PRICE LIST

W.E.F: 05.08.2022

"Ori-plast" Branded Chlorinated Polyvinyl Chloride (cPVC) Pipes Conforming to Specification : ASTM D 2846

SI. NO.	SIZE		CLASS - I / SDR 11		CLASS - II / SDR 13.5	
	MM	INCH	Minimum Wall Thickness in mm	Rate: Rs./Mtr.	Minimum Wall Thickness in mm	Rate: Rs./Mtr.
1	15	1/2	1.70	68.80	1.40	57.50
2	20	3/4	2.00	100.70	1.70	91.50
3	25	1	2.60	156.20	2.10	131.10
4	32	1 1/4	3.20	221.40	2.60	204.70
5	40	1 1/2	3.80	316.40	3.10	284.70
6	50	2	4.90	538.20	4.00	472.40
Working Pressure in MPA		27°C	2.76		2.18	
		82°C	0.68		0.55	

Note: Bare plain end pipes will be supplied in a standard length of 3.0 mtrs

cPVC Fittings for Supply of Hot and Cold Water

				
				
				
				
				

Ori-Plast®
HEALTHY PIPES

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ISO 9001: 2000 COMPANY