

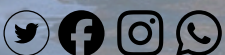


# ADARSH®

• PIPES

## ENGINEERED FOR EVERY FLOW

Agricultural | Pressure | Non-Pressure | Pipes & Fittings



# ABOUT US



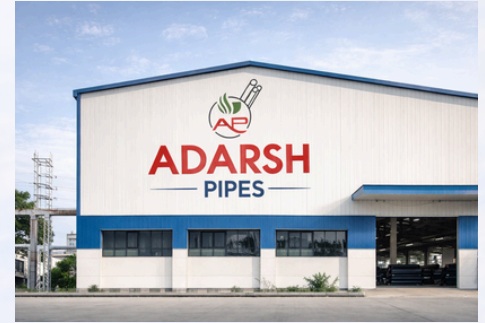
Established in 2008 by Shri Suresh Kumar Jain, Adarsh Pipes has grown into a trusted and progressive manufacturer of high-quality piping solutions serving diverse sectors across India. What began as a focused manufacturing initiative has evolved into a modern, technology-driven and quality-oriented enterprise.

With the early involvement of Mr. Saurabh Jain and Mr. Vikas Jain, the company strengthened its managerial expertise, technical capabilities, and long-term growth vision. Under the leadership of the Jain family, Adarsh Pipes has consistently expanded its product portfolio while maintaining uncompromising standards of quality and reliability.

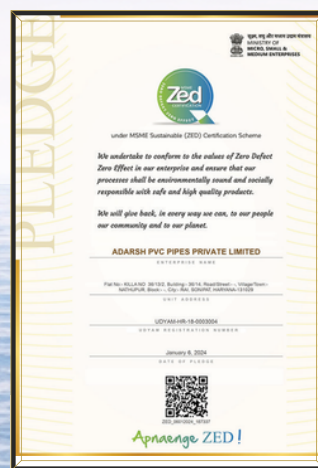
Today, Adarsh Pipes operates three advanced manufacturing plants with a combined production capacity of approximately 1000–1200 tons per month. Our comprehensive product range includes PVC pipes, HDPE pipes, OPVC pipes, U-sewerage pipes, blue casing pipes, agricultural pipes, DWC water supply pipes, SWR pipes, and specialized piping systems designed for varied infrastructure and industrial requirements.

Driven by innovation, precision engineering, and stringent quality control processes, we ensure that every product meets national standards and delivers long-term performance. Our solutions cater to agricultural, infrastructure, industrial, and residential applications, making us a dependable partner for projects of every scale.

At Adarsh Pipes, we are committed to building durable piping systems that power growth, enable development, and support India's evolving infrastructure needs.



## OUR CERTIFICATES



# OUR JOURNEY

Building Strength • Driving Innovation • Delivering Quality

**2008**

## Foundation



- Founded by **Shri Suresh Kumar Jain**
- Manufacturing Operations Started
- UPVC Pipes Production Begins
- Leadership by **Mr. Saurabh Jain & Mr. Vikas Jain**



**2016**

## New Product Segments

- Launched **Elastomeric Rubber Ring Pipes & SWR Pipes**
- Capacity Increased to **5,000 Tons/Year**
- Expanded **Infrastructure & Sewerage Market Hold**



**2023**

## OPVC Development

- Introduced **OPVC Oriented PVC Pipes**
- **North India's First Licensed OPVC Manufacturer**



**2015**

## Capacity Expansion

- Expanded to **250 Tons/Month**
- Commissioned **Windsor KTS 350**
- Improved **Productivity & Quality**



**2018-19**

## Technology Upgraded

- Added **Windsor KTS 200 (PVC & Casing)**
- Full **ISI Compliance**
- Strengthened **Quality Processes**



**2023-24**

## HDPE ISI Certification & Multi-Plant Expansion

- Launched **ISI Certified HDPE Pipes**
- **3 Manufacturing Plants**
- Capacity **1000 - 1200 Tons/Month**
- **Multi-Product, Multi-Plant Company**



## Key Achievements



**2008**  
Foundation  
Year



**1000-1200**  
Tons/Month  
Production  
Capacity



**3**  
Manufacturing  
Plants



**Multi-Product**  
Range



**Trusted Quality**  
& Innovation



## VISION

To be a nationally respected and globally competitive manufacturer of advanced piping solutions.

We strive to set benchmarks in quality, innovation, and performance while contributing to India's infrastructure growth through responsible and customer-focused practices.



## OUR CORE VALUES



## MISSION

To manufacture reliable, high-quality piping solutions that meet modern infrastructure demands.

We are committed to innovation, operational excellence, sustainability, and delivering lasting value to our customers and partners.



## OUR COMPANY INFRASTRUCTURE

### Manufacturing Units:

#### Unit – I

HSIIDC Industrial Area, Rai, Sonipat (Haryana)

#### Unit – II

Nathupur, Rai, Sonipat District (Haryana)

#### Unit – III

Saaboli Industrial Area, Kundli (Haryana)

#### Registered Office

New Multan Nagar, Paschim Vihar, New Delhi

#### Branch Office

Sahibabad Border, Ghaziabad (Uttar Pradesh)



## OUR STRENGTHS

- Leading OPVC Pipe Manufacturer in North India
- ISI Certified HDPE & PVC Pipes
- Modern Multi-Plant Infrastructure
- Advanced Windsor Machinery & Automated Systems
- Strict Quality Control & Testing Processes
- Skilled & Technically Trained Workforce
- Strong Distributor & Dealer Network
- Customer-Centric Approach
- Reliable Supply Chain & Timely Delivery

# OUR PRODUCT PORTFOLIO

## Complete Range of Pipes & Fittings

Engineered Solutions for Agriculture, Infrastructure & Industrial Applications

### PRESSURE PIPING SYSTEM

- UPVC Pipes
- OPVC Pipes
- Elastomeric Rubber Ring Pipes
- Blue Casing Pipes
- Pipes & Fittings

### SEWERAGE & DRAINAGE SYSTEMS

- HDPE Pipes
- U-Sewerage Pipes
- DWC Pipes
- SWR Pipes & Fittings
- Agricultural Drainage Pipes



Available in multiple diameters, pressure classes, and ISI-certified variants.

Ideal for applications in:

- Agriculture
- Infrastructure and Construction
- Strategic Corridor Projects



# uPVC PRESSURE PIPES & FITTINGS

As per IS 4985:2021 | ISI Certified



## Product Overview

Adarsh uPVC Pressure Pipes are manufactured using virgin UV-stabilized PVC compound in strict compliance with IS 4985:2021 standards. Designed for potable water, irrigation, infrastructure, and industrial applications, our pipes ensure durability, dimensional accuracy, and superior hydraulic performance.

Manufactured using advanced extrusion technology, these pipes offer excellent resistance to corrosion, chemicals, and environmental stress. Engineered to provide a smooth internal bore, Adarsh uPVC pipes minimize friction loss, enabling efficient water flow and reduced energy consumption.



# TECHNICAL RANGE

- Diameter Range: 40mm to 315mm
- Pressure Classes: Class 1 to Class 5
- Working Pressure: 2.5 kg/cm<sup>2</sup> to 10 kg/cm<sup>2</sup>
- Standard Length: 6 meters (effective)
- Joint Type: Solvent Cement & Elastomeric Ring



Infrastructure

# KEY ADVANTAGES

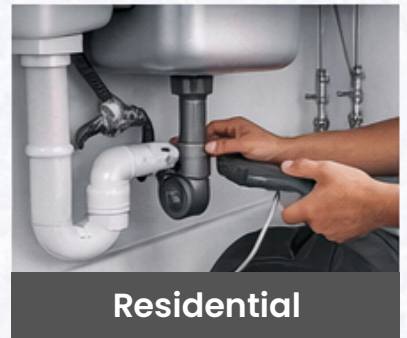
- ISI Certified
- Corrosion Free
- High Flow Efficiency
- Lightweight
- Leak Proof
- Chemical Resistant
- Long Service Life



Agriculture

# APPLICATIONS

- Agricultural Irrigation & Borewell Systems
- Drinking Water Distribution
- Municipal Water Supply
- Industrial Fluid Conveyance
- Infrastructure Projects
- Cable Ducting & Protection
- Chemical & Process Lines



Residential

\*Complete Range: 40mm – 315mm | Class 1 to Class 5



Industrial

Dimensions and working pressure of uPVC Pipes for Agriculture and portable water supply  
(As per IS 4985-2021)

Nominal Outside Diameter	Mean Outside Diameter		Wall Thickness (mm)									
			Class-1 0.25 MPa (2.5 kg/Cm <sup>2</sup> )		Class-2 0.40 MPa (4.0 kg/Cm <sup>2</sup> )		Class-3 0.60 MPa (6.0 kg/Cm <sup>2</sup> )		Class-4 0.80 MPa (8.0 kg/Cm <sup>2</sup> )		Class-5 1.0 MPa (10.0 kg/Cm <sup>2</sup> )	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
40	40.0	40.3	-	-	-	-	1.4	1.8	1.8	2.2	2.2	2.7
50	50	50.3	-	-	-	-	1.7	2.1	2.3	2.8	2.8	3.3
63	63	63.3	-	-	1.5	1.9	2.2	2.7	2.8	3.3	3.5	4.1
75	75	75.3	-	-	1.8	2.2	2.6	3.1	3.4	4.0	4.2	4.9
90	90	90.3	1.3	1.7	2.1	2.6	3.1	3.7	4.0	4.6	5.0	5.7
110	110	110.4	1.6	2.0	2.5	3.0	3.7	4.3	4.9	5.6	6.1	7.1
125	125	125.4	1.8	2.2	2.9	3.4	4.3	5.0	5.6	6.4	6.9	8.0
140	140	140.5	2.0	2.4	3.2	3.8	4.8	5.5	6.3	7.3	7.7	8.9
160	160	160.5	2.3	2.8	3.7	4.3	5.4	6.2	7.2	8.3	8.8	10.2
180	180	180.6	2.6	3.1	4.2	4.9	6.1	7.1	8.0	9.2	9.9	11.4
200	200	200.6	2.9	3.4	4.6	5.3	6.8	7.9	8.9	10.3	11.0	12.7
225	225	225.7	3.3	3.9	5.2	6.0	7.6	8.8	10.0	11.5	12.4	14.3
250	250	250.8	3.6	4.2	5.7	6.5	8.5	9.8	11.2	12.9	13.8	15.9
280	280	280.9	4.1	4.8	6.4	7.4	9.5	11.0	12.5	14.4	15.4	17.8
315	315	316.0	4.6	5.3	7.2	8.3	10.7	12.4	14.0	16.1	17.3	19.9

# OPVC PIPES



IS 16647:2017



## The Backbone of Modern Plumbing

PVC-O, or biaxially oriented PVC, is an advanced piping solution created through a special orientation process that enhances strength, toughness, impact resistance, and durability. Widely used across the UK, Europe, USA, Australia and other countries, PVC-O pipes comply with multiple national and international standards.

Adarsh Pipes' PVC-O manufacturing plant in Sonipat operates as per IS 16647: 2017 and an ISO certified facility with state-of-the-art technology.

Adarsh Pipes PVC-O pipes are engineered for medium to high pressure applications, available in DN90 to 400 mm with pressure ratings of PN 12.5 to 25 bars, delivering reliable performance, strength, and versatility for every project.



# Why Choose PVC-O Pipes?

IS 16647:2017

## Energy Efficient

Adarsh pipes PVC-O are manufactured using a highly energy-efficient process, consuming significantly less energy compared to other piping alternatives available in the market. Additionally, the inner walls of PVC-O pipes are exceptionally smooth, which minimizes pressure losses and further contributes to energy savings fluid transport.

## Environmentally Safe and Sustainable

PVC-O pipes are designed with sustainability in mind, making them one of the most eco-friendly piping solutions available today. Their production requires considerably less fuel than that of other types, reducing environmental impact. Moreover, PVC-O pipes have a much lower CO<sub>2</sub> footprint, making them a sustainable choice for modern infrastructure projects focused on environmental responsibility.



## Weight Chart of PVC-O PIPES for Water Supply

(ORIENTED UNPLASTICIZED POLYVINYL CHLORIDE)

Safety Coefficient C - 1.4, Material Class 500, Reference IS 16647 : 2017

Wall Thickness and weight per meter of Class 500 C 1.6 (Clause 8.1.2)											
S.No	Nominal O.D in mm	Class 500 C 1.4 Wall thickness and weight per meter									
		Nominal Pressure PN									
		10		12.5		16		20		25	
		Wall thi	w/t mtr	Wall thi	w/t mtr	Wall thi	w/t mtr	Wall thi	w/t mtr	Wall thi	w/t mtr
		mm	kgs	mm	kgs	mm	kgs	mm	kgs	mm	kgs
1	63	1.10	0.306	1.30	0.360	1.70	0.548	2.10	0.575	2.60	0.706
2	75	1.30	0.431	1.60	0.528	2.00	0.783	2.40	0.783	3.10	1.002
3	90	1.50	0.462	1.90	0.582	2.40	0.875	2.90	0.875	3.70	1.102
4	110	1.80	0.875	2.30	1.113	2.90	1.582	3.60	1.721	4.50	2.134
5	125	2.10	1.160	2.60	1.430	3.30	1.964	4.00	2.175	5.10	2.748
6	140	2.30	1.423	2.90	1.787	3.60	2.563	4.50	2.740	5.70	3.440
7	160	2.60	1.839	3.30	2.324	4.20	3.280	5.10	3.550	6.50	4.484
8	180	3.00	2.386	3.70	2.932	4.70	4.085	5.80	4.541	7.30	5.666
9	200	3.30	2.917	4.10	3.610	5.20	5.062	6.40	5.569	8.10	6.986
10	225	3.70	3.680	4.60	4.556	5.80	6.383	7.20	7.048	9.10	8.830
11	250	4.10	4.531	5.10	5.613	6.50	7.857	8.00	8.701	10.20	10.993
12	280	4.60	5.694	5.70	7.027	7.20	9.898	9.00	10.962	11.40	13.762
13	315	5.10	7.103	6.40	8.876	8.10	12.644	10.10	13.840	12.80	17.385
14	355	5.80	9.103	7.20	11.254	9.20	15.957	11.40	17.604	14.40	22.043

# HDPE PIPES

High-Density Polyethylene Pipe

Engineered for strength, flexibility and long-term performance in demanding water, gas and industrial applications.

**High-Density Polyethylene (HDPE)** Pipes are plastic pipes made from a thermoplastic polymer known for durability, flexibility, and resistance to environmental stress. These pipes are widely used across water supply, gas distribution and wastewater industries for their ability to handle both high and low pressure environments with exceptional reliability.



Designed to perform under both high and low pressure environments, HDPE pipes offer exceptional resistance to corrosion, chemicals and environmental stress.

Durable · Flexible · Leak-Proof Joints · Corrosion Resistant · Long Service Life

# Features and benefits

- Excellent UV, low temperature and abrasion resistance
- Excellent water hammer resistance
- Excellent weld-ability
- Wide variety of installation methods
- Easy, quick and economical installation
- Ideal in shifting soil condition and earthquake-prone areas
- Excellent SCGR with a long service life 50–100 years
- Highly resistant to corrosion, abrasion, chemicals, incrustation, and scaling
- High and consistent C-value (-150) ensuring efficient flow and lower pumping costs
- Reduces surge pressures by 50-80%, with leak-free, low-maintenance joints
- Lightweight, flexible, and easy to install without heavy equipment, longer lengths reduce fittings.



## Applications



## WALL THICKNESS & UNIT WEIGHT CHART OF HDPE PIPES AS PER IS:4984:16

WALL THICKNESS & UNIT WEIGHT CHART OF HDPE PIPES AS PER IS:4984:16																												
SDR		PEG63		SDR33		SDR26		SDR26		SDR21		SDR17		SDR13.6		SDR11		SDR9		SDR7.4		SDR7.4		SDR6				
NOMINAL PRESSURE (PN) BAR																												
PEG63		PN2		PN2.5		PN3.2		PN4		PN5		PN6		PN6		PN8		PN10		PN12.5		PN12.5		PN16		PN20		
PE190		PN2.5		PN3.2		PN4		PN5		PN6		PN6		PN9		PN10		PN10		PN12.5		PN12.5		PN16		PN20		
PE100		PN3		PN5		PN5		PN5		PN6		PN9		PN10		PN12.5		PN16		PN16		PN16		PN20		PN20		
Size (mm)	Toler.	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	
		20	0.3	0.36		0.9																						
20	20	0.36		2.3											1.9	2.18	2.8	2.18			2.9	1.8	4.0	4.1	3.0	4.4	4.1	4.11
20	20			2.3				2.0	2.11	1.9	2.18	3.9	2.16	3.9	2.46	3.3	3.34	3.6	2.2	4.0	4.3	5.8	2.46	4.6	2.32			
30	20			2.3		2.0	0.113	2.5	2.11	2.5	2.31	3.4	1.62	3.1	2.88	4.5	2.15	4.1	2.9	5.6	2.3	6.2	2.41	6.7	2.24			
40	20			2.0	0.617	2.3	0.588	3.3	2.23	2.9	2.21	3.2	1.44	5.6	3.62	4.9	3.43	4.9	3.6	6.7	2.6	3.7	5.77	6.7	3.99			
50	42	2.0	0.617	3.1	0.488	3.9	0.788	2.5	2.37	4.3	2.68	4.7	2.48	6.5	3.86	5.6	3.43	5.6	7.7	6.9	7.7	6.5	3.27	7.0	2.78			
80	60	2.3	1.031	2.6	0.532	8.7	0.733	4.9	2.69	3.3	2.65	3.6	2.52	3.2	2.66	6.7	5.70	5.4	6.6	6.7	5.8	7.7	4.75	7.9	3.24			
90	50	2.7	1.697	5.9	1.620	2.9	1.657	5.0	2.48	8.7	2.86	3.5	2.37	6.5	2.68	3.9	8.01	5.4	5.0	9.9	6.0	9.6	5.21	9.6	3.68			
100	80	3.5	1.695	5.9	1.755	3.4	2.411	3.5	4.13	2.5	2.52	8.8	3.00	5.6	3.59	4.1	3.75	8.7	5.2	10.6	6.1	9.0	3.73	11.6	4.32			
150	80	1.6	1.981	4.5	1.688	2.9	2.257	4.6	3.82	4.6	2.52	8.9	3.94	6.5	3.38	5.5	5.42	4.6	7.6	11.2	6.0	9.2	9.95	15.3	5.38			
150	80	4.1	1.488	6.6	8.379	9.0	3.444	4.0	2.29	6.4	7.86	10.5	3.55	5.9	5.25	6.4	5.96	11.0	8.4	13.2	5.2	14.5	9.00	17.2	4.23			
140	90	1.4	1.794	5.5	3.389	3.8	2.759	2.6	3.57	5.3	2.82	14.5	4.69	6.8	3.46	3.3	6.55	17.7	7.8	16.7	8.2	12.3	9.96	16.2	6.16			
160	100	6.0	1.934	5.0	2.486	6.7	3.359	2.6	4.63	7.6	3.82	14.5	4.72	6.5	6.52	9.0	7.02	13.9	11.5	12.9	11.2	13.9	10.23	13.6	7.83			
150	170	8.7	1.645	6.5	3.369	6.9	2.909	6.9	5.63	6.7	4.65	16.5	4.06	5.0	7.99	8.3	8.50	16.5	15.6	10.9	11.5	15.9	17.72	19.5	11.50			
100	220	5.9	1.662	6.9	3.866	6.9	3.653	6.6	6.59	6.8	4.92	17.9	5.52	6.9	7.73	10.5	6.62	16.7	17.9	14.3	14.5	17.9	13.99	16.2	16.62			
250	300	5.4	2.605	2.0	3.803	8.3	3.862	7.5	7.00	5.4	4.92	19.5	6.58	7.9	8.17	12.9	8.57	19.5	19.0	10.6	17.4	28.0	14.53	28.0	12.72			
230	300	6.5	3.863	4.9	4.533	9.7	3.359	3.3	9.60	9.9	4.65	19.9	6.44	9.6	8.16	12.3	8.26	15.4	21.0	16.6	13.5	20.3	15.23	25.5	13.55			
350	300	6.6	3.925	2.3	5.662	9.2	3.959	3.7	9.81	9.1	5.14	19.9	6.29	9.0	6.56	12.5	8.66	22.5	21.1	23.1	22.3	22.4	17.43	26.2	14.76			
400	370	6.6	2.622	5.4	4.900	9.6	5.568	9.9	11.14	8.3	8.90	23.3	9.10	10.9	6.56	16.8	13.87	25.5	22.3	35.8	46.0	20.9	17.26	36.6	156.4			
300	300	6.9	3.045	8.3	6.304	10.5	5.669	9.0	12.15	9.6	3.70	22.5	6.10	14.5	8.46	15.6	16.89	34.4	21.5	33.0	37.5	26.1	16.92	33.2	14.96			
600	390	7.5	2.004	5.6	5.659	11.5	6.380	9.5	16.99	13.2	8.95	16.5	8.49	24.3	22.8	17.2	16.05	30.4	31.3	33.2	31.3	34.5	34.15	27.2	47.26			

IS: 15328:2003



# U-Sewerage Pipes

Adarsh unplasticized polyvinyl chloride PVC-U underground sewerage pipes are made specifically for use in underground drainage and sewerage systems.

These pipes are manufactured as per specifications number IS 15328:2003 of the Bureau of Indian Standards. These pipes are available in sizes of 90, 110, 125, 160, 200, 250, and 315 mm in stiffness class of SN2, SN4, and SN8.

These pipes are self-socketed joined with the help of solvent cement and available in standard length of 6 meters and are brown in color.



**Sizes Available:** 90mm | 110mm | 125mm  
160mm | 200mm | 250mm | 315mm

## TWO SPECIAL TECHNICAL CHECK PARAMETERS

### • Pressure Performance Test

Elastomeric sealing ring type joints are tested for leak proof performance under underground external hydrostatic pressure conditions.

### • Leak Tightness & Angular Deflection Test

Elastomeric sealing-ring socket joints are tested for leak tightness under internal (negative) pressure and angular deflection to ensure long-term joint integrity.

## FEATURES & BENEFITS

- Leak proof jointing system
- Long service life
- Anti-rodent resistant
- Lightweight and easy to transport, even in wet site conditions
- Saves time and manpower during installation
- Quick and easy installation in underground applications
- Smooth inner bore reduces friction and minimizes risk of blockage
- Highly resistant to negative pressure and soil load conditions

## APPLICATIONS

- U-Sewerage pipes are specifically designed for underground drainage and sewerage networks including:
  - Soil and waste discharge systems
  - Underground municipal sewer lines
  - Residential and commercial drainage networks
  - Storm water drainage systems
  - Industrial wastewater disposal systems
  - Housing and infrastructure development projects

## WEIGHT CHART FOR U SEWERAGE PIPES: SELF FIT

Conforming to IS 15328

Size (mm)	Series (Stiffness Class)	Wall Thickness SDR	Weight (kg/m)	
			Min	Max
90	SN 2 (SDR 51)	4.0	0.771	0.937
110	SN 4 (SDR 41)	3.2	0.902	1.095
125	SN 8 (SDR 34)	2.5	1.077	1.309
200	SN 2 (SDR 51)	4.0	1.363	2.234
250	SN 4 (SDR 41)	3.2	1.063	1.956
200	SN 8 (SDR 34)	3.5	1.063	2.234
250	SN 2 (SDR 51)	4.0	23.346	28.042
315	SN 4 (SDR 41)	6.2	23.346	28.042
200	SN 8 (SDR 34)	3.2	28.139	33.614
250	SN 8 (SDR 34)	4.9	28.139	33.614



IS:16098 (Part-1)



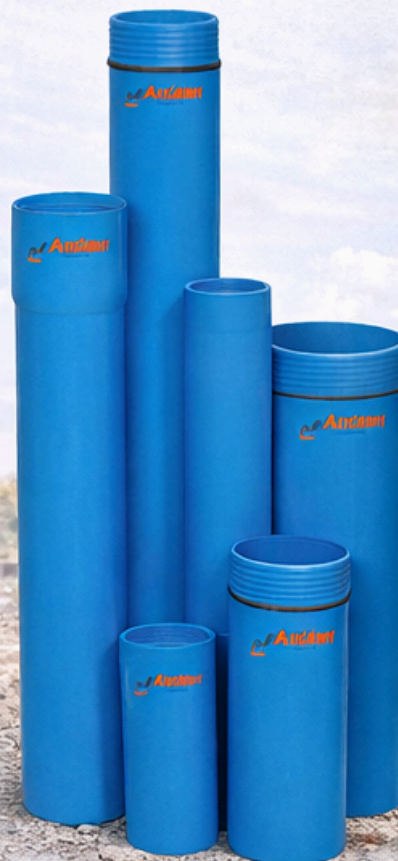
IS:16205 (Part-24)



IS CODE-16098,16205

# Blue Casing Pipe

Adarsh Blue casing pipes are used to aid in extracting clean water from irrigation, industrial, and domestic borewells. Manufactured using high-quality raw materials, these pipes provide excellent strength, durability, and resistance to corrosion.



## Features & Benefits:

- ✓ Strong double-wall design for high durability
- ✓ Corrosion-resistant and leak-proof
- ✓ Smooth inner surface for efficient flow
- ✓ Lightweight for easy handling and quick installation.
- ✓ Cost-effective with a service life over 50 years.



## Applications:

- Borewell and tube well casing for groundwater extraction
- Protection of submersible pumps and rising mains
- Agricultural irrigation water supply systems
- Industrial water supply and distribution works
- Domestic and commercial water supply borewells
- Corrosion-free alternative to metal casing pipes
- Suitable for deep and shallow well installations.

## DIMENSIONS OF BLUE CASING PIPES

Nominal Diameter (DN)		Mean Outer Diameter (d) of Pipe (in mm)		Wall Thickness (in mm)					
Inch	mm	Min	Max	Type- CM		Type-CS		Type-CD	
				Min	Max	Min	Max	Min	Max
4	100	113	113.3	5	5.7	-	-	7	7.9
4½	115	125	125.3	5	5.7	-	-	7.5	8.5
5	125	140	140.4	6.5	7.3	-	-	8	9
6	150	165	165.4	7.5	8.5	5.7	6.5	9.5	10.7
7	175	200	200.5	8.8	9.8	7	7.8	11.8	13.6
8	200	225	225.5	10	11.2	7.6	8.8	13	14.8
10	250	280	280.5	12.5	14	9.6	11	16	17.6





## SWR Yellow Rubber Ring Joint

- 100% Leak proof joints with German technology
- Range of Pipes: 75mm, 90mm, 110mm as per IS13592
- Range of Fittings: 75mm, 90mm, 110mm as per IS14735



**IS:13592**

# SWR Pipes

Adarsh SWR Pipes & Fittings has leading range for soil, waste & rainwater drainage systems, suitable for commercial, residential, and industrial uses.

Engineered with high-quality raw materials, these pipes provide excellent strength, durability, and resistance to corrosion.

### Features & Benefits:

- ✓ Strong and long-lasting
- ✓ Excellent chemical and corrosion resistance

### Applications:

- 🚽 Soil discharge from toilets and washrooms
- 👤 Wastewater discharge from kitchens, bathrooms and utility areas
- 🌧️ Rainwater drainage and rainwater harvesting
- 🏠 Residential plumbing and drainage networks
- 🏢 Commercial buildings such as malls, hotels
- 🏭 Industrial drainage and wastewater lines
- 🌀 Vent lines to manage vapor or pressure in drainage systems
- 📏 Suitable for vertical and horizontal installations

## DIMENSIONS OF uPVC SWR PIPES & FITTINGS

### SWR PIPES - IS : 13592

### SWR FITTINGS - IS : 14735

Nominal Outside Diameter	Mean Outside Diameter		Outside Diameter at any point		Wall Thickness Type "A"		Wall Thickness Type "B"		Nominal Outside Diameter	Wall Thickness at Plain End		Wall Thickness at Socket	
	MM	Min	Max	Min	Max	Min	Max	Min		Max	MM	Min	Max
40	40	40.3	39.5	40.5	1.8	2.2	3.2	3.8	40	3.2	3.8	2.4	2.9
50	50	50.3	49.4	50.6	1.8	2.2	3.2	3.8	50	3.2	3.8	2.4	2.9
75	75	75.3	74.1	75.9	1.8	2.2	3.2	3.8	75	3.2	3.8	2.4	2.9
90	90	90.3	88.9	91.2	1.9	2.3	3.2	3.8	90	3.2	3.8	2.4	2.9
110	110	110.4	108.6	111.4	2.2	2.7	3.2	3.8	110	3.2	3.8	2.4	2.9
160	160	160.5	158.0	162.0	3.2	3.8	4.0	4.6	160	4.0	4.6	3.0	3.6

# DWC WATER SUPPLY PIPES

(HDPE Double Wall Corrugated Pipes)

As per IS 16098 – 16205

High Strength | Underground Utility Protection | Infrastructure Grade



## About DWC Pipes

Adarsh HDPE Double Wall Corrugated (DWC) Pipes are manufactured in accordance with IS 16098-16205 standards for underground cable protection and drainage applications. Designed with a corrugated outer wall for high ring stiffness and a smooth inner wall for optimized flow, these pipes offer exceptional load-bearing capacity under buried conditions.

Manufactured using high-density polyethylene (HDPE), DWC pipes provide superior durability, flexibility, and resistance to corrosion, chemicals, and environmental stress. The double-wall structure ensures lightweight handling combined with outstanding structural strength.



## PRODUCT RANGE



Size Range

**40 mm – 1000 mm**



Standard

**IS 16098 – 16205**



Material

**HDPE** (High Density Polyethylene)



Structure

**Double Wall Corrugated**



Pressure Class

**PN4 to PN10**



Lengths

**6m / 12m / Coils**



## FEATURES & BENEFITS



### High Ring Stiffness

Excellent Load Bearing Capacity



### Impact & Crack Resistance

Durable Underground Performance



### Lightweight & Flexible

Easy Handling & Installation



### Corrosion & Chemical Resistance

Long Service Life



### Leak Proof Joints

Reliable & Maintenance Free



### Cost Effective Solution

Lower Project Cost

## APPLICATIONS



**Solar Power Cable Protection**



**Optical Fiber Cable Network**



**Railway & Level Crossing**



**Underground Electrical Ducting**

### Other Applications

- Airports & Metro Projects
- Sewage & Storm Water Drainage
- CCTV & Communication Cables
- Industrial & Utility Conduits



## DIMENSIONS & TECHNICAL DATA

As per **IS 16098 - 16205**

	Nominal Diameter (mm)	Outer Diameter (mm)	Inner Diameter (mm)	Min. Wall Thickness (mm)	Ring Stiffness (kN/m <sup>2</sup> )	Pressure Class	Weight (kg/m)
	<b>100</b>	118	95	<b>1.0</b>	≥ 4	PN4	<b>0.95</b>
	<b>135</b>	154	130	<b>1.2</b>	≥ 6	PN4	<b>1.30</b>
	<b>150</b>	170	145	<b>1.3</b>	≥ 8	PN6	<b>1.70</b>
	<b>200</b>	226	195	<b>1.5</b>	≥ 12	PN6	<b>2.90</b>
	<b>250</b>	282	245	<b>1.8</b>	≥ 16	PN8	<b>4.20</b>
	<b>300</b>	338	294	<b>2.0</b>	≥ 20	PN8	<b>5.60</b>
	<b>400</b>	452	392	<b>2.5</b>	≥ 31.5	PN10	<b>8.50</b>



IS: 4985-2021-Gray Colour

# Pipes & Fittings



Adarsh PVC Pressure Fittings are manufactured from superior quality raw materials on latest injection molding machines to deliver unbeatable quality. Designed for precision and durability, these fittings ensure leak-proof performance and high pressure resistance.

They offer excellent dimensional accuracy, corrosion resistance, and long service life, making them ideal for water supply, irrigation, plumbing, and industrial piping.



# WHY CHOOSE ADARSH PIPES?

**Engineering Trust. Delivering Performance.**

Over 20 Years of Manufacturing Excellence in Piping System Solutions.



## Advanced Manufacturing

State-of-the-art automated extrusion lines & testing facilities.



## BIS & ISO Certified

Manufacturing as per IS standards with strict quality control.



## Wide Product Portfolio

PVC, HDPE, OPVC, DWC, Sewerage, Casing & Fittings.



## Pan-India Supply Network

Strong distribution across key infrastructure & agriculture states.



## Quality Raw Materials

Premium grade resins ensuring durability & long service life.



## Proven Industry Experience

20+ years of trusted performance in demanding environments.

- ✓ Trusted by Infrastructure & Industry Leaders
- ✓ Reliable for Agriculture & Water Projects
- ✓ Designed for Long-Term Performance.

Adarsh Pipes – Strength Beneath Every Project.



# Pipes & Fittings



Coupler



Plain Bend 87.5°



Door Bend 87.5°



Bend 45°



Single Door Tee



Double Plain Tee



Cleansing Pipe



Single Plain Y



Reducing Single Plain Y



Double Door Y



Reducer



Coupler (Selfit)



Single Door Tee (Selfit)



Door Bend-87.5° (Selfit)



Multi Floor Trap W/O Jail



Nahani Trap W/O Jail

## OUR ESTEEMED CLIENTS



मध्यप्रदेश जल निगम मर्यादित  
(मध्यप्रदेश सरकार का उपक्रम)



MAHARASHTRA JEEVAN PRADHIKARAN  
WATER SUPPLY AND SANITATION DEPARTMENT, MAHARASHTRA



NAVAYUGA



पावरग्रिड  
POWERGRID

ASHOKA  
Ashoka Buildcon Ltd.



ashoka  
UNIVERSITY



पावरग्रिड  
POWERGRID



Sardar Sarovar  
Narmada Nigam Limited



DILIP BUILDCON LIMITED  
INFRASTRUCTURE & BEYOND



L&T Construction  
Buildings & Factories



ABCI INFRASTRUCTURES PVT. LTD.





**ADARSH<sup>®</sup>**  
PIPES



### Regd. Office

📍 59, D Block, First Floor  
New Multan Nagar, New Delhi - 110056



### Manufacturing Unit - 1

📍 Plot No. 1415, HSIIDC Industrial Area Rai,  
Distt. Sonipat (Haryana) - 131029



### Manufacturing Unit - 2

📍 Killa No. 36/13/2, 36/14  
Nathupur Rai, Distt. Sonipat (Haryana) - 131029



### Manufacturing Unit - 3

📍 Plot No. 1415, HSIIDC Industrial Area Rai,  
Distt. Sonipat (Haryana) - 131029



### Branch Office

📍 161/2, PIE, Sahibabad, Boder,  
Ghaziabad (U.P.)



**Email:**

[adarshplastics@gmail.com](mailto:adarshplastics@gmail.com)



**Website:**

[www.adarshpipes.com](http://www.adarshpipes.com)

