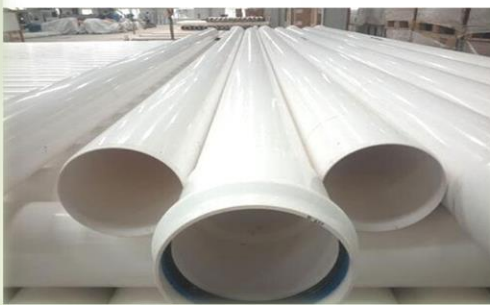
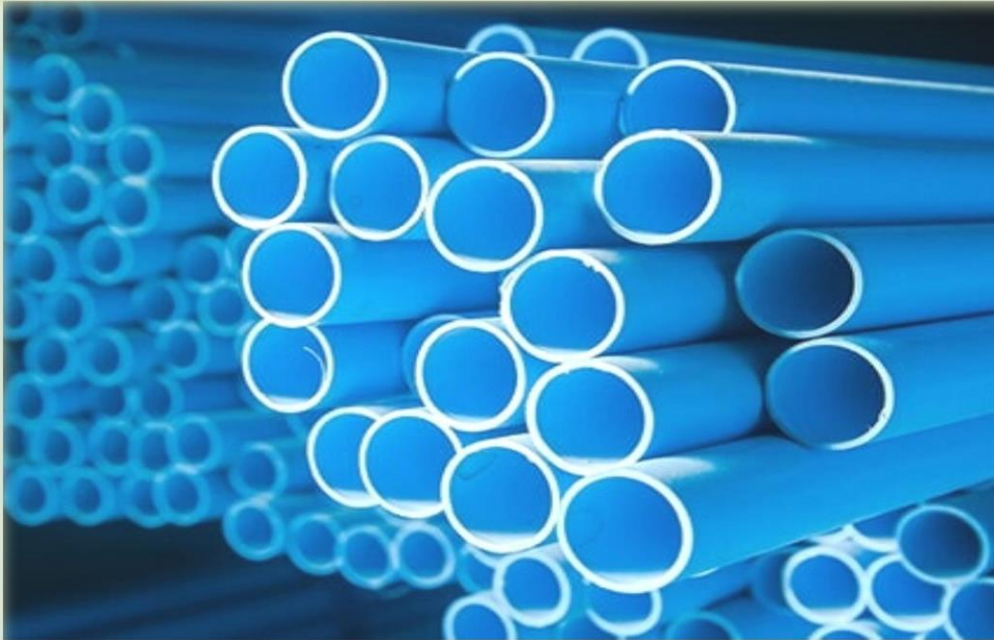




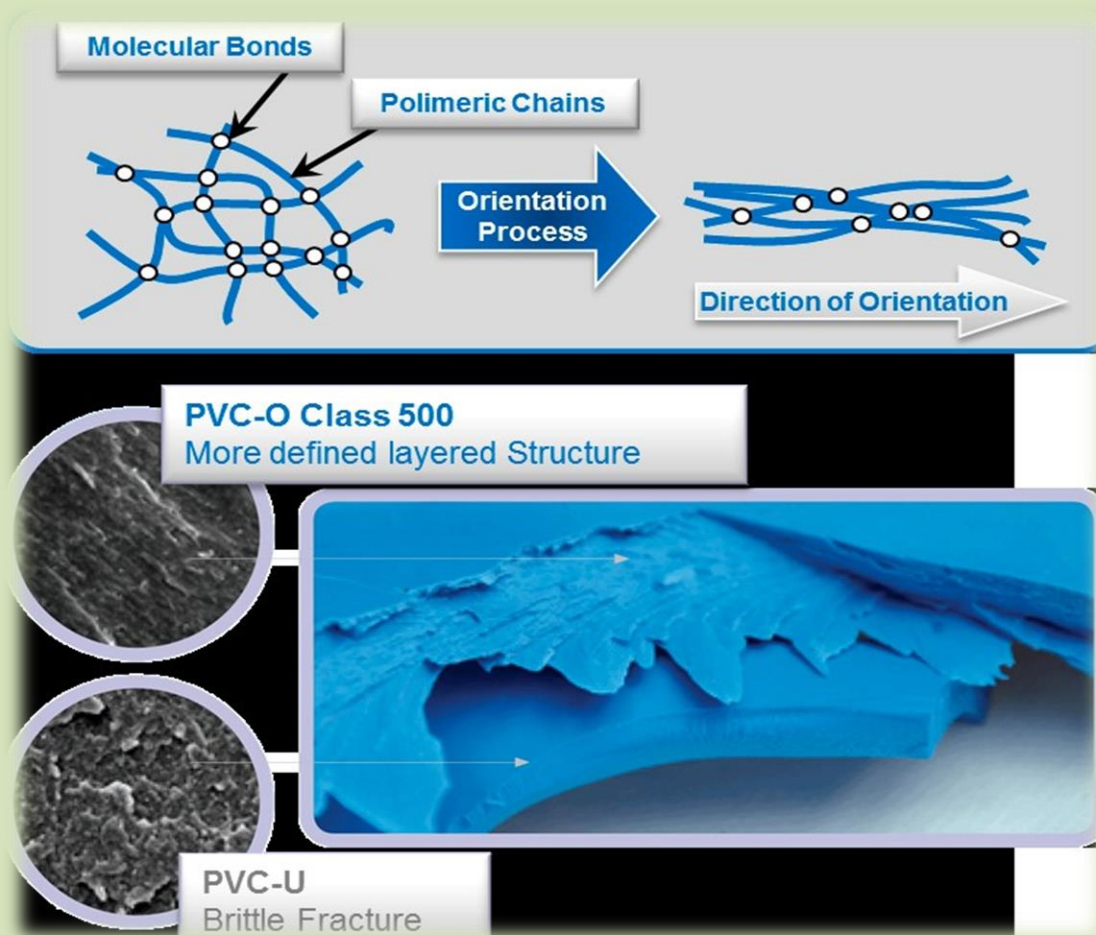
ADARSH O-PVC PIPES PVT LTD



ORIENTED PVC PIPES (PVC-O):

The PVC in amorphous structure is converted to layered structure using orientation. Molecular orientation greatly enhances PVC's physical and mechanical properties and makes the plastic superior in terms of resistance to traction and fatigue, flexibility and impact resistance. ADARSH PVC-O PIPES has a high resistance and an extremely long lifetime when used in high-pressure water pipelines.

The other advantages of the energy-efficient and eco-friendly pipes include reduction in cost and installation time. For these reasons, ADARSH PVC-O pipes are the best solution for medium and high-pressure water networks for irrigation systems, potable water supply and pumping systems, along other applications.



The manufacturing of ADARSH PVC-O PIPES is fully automated, this provides maximum guarantee and quality. All pipes are class 500, which is the highest orientation degree, offering the best mechanical properties as per IS-16647:2017 standard.

Benefits of PVC-O Pipes :

+ Increased Hydraulic Capacity

Molecular orientation reduces the pipe wall thickness, giving a greater internal diameter and flow section. Also, the internal surface of ADARSH PVC-O PIPES is extremely smooth, reducing head loss and making it more difficult for deposits to be formed on the inner wall. This leads to 15-40% more hydraulic capacity than other pipes with the same external diameter.

+ Food Grade

The quality of fluid that flows through ADARSH PVC-O PIPES always remain unaltered, given that PVC-O material neither suffers corrosion nor migration within the pipes. It is considered as best application for high-pressure water transport, particularly drinking water, for water supply networks.

+ Lower Cost and Easier Installation

ADARSH PVC-O PIPES are lighter and easier to handle than other pipes and, in most cases, does not require machinery even for higher dimensions. Smooth and thinner wall results in higher amount of water flow and up to 30% savings in electricity cost. There is a positive stand out in terms of cost, performance and installation speed compared to other pipes.



✚ Corrosion-Resistant and Water-Tight

Immune to corrosion and natural chemicals as well as micro and macro-organisms, ADARSH PVC-O PIPES are not degradable. Also, no special protection or coating is required, thereby saving cost. Pipes are easy to join and can be installed by semi-skilled workers. 100% water tight joints are guaranteed and does not displace once installed as per the installation guidelines.



✚ Unbeatable Impact Resistance

ADARSH PVC-O PIPES has high resistance to shock, leading to minimized breakages during on-site trails due to dropping or impact of stones. Molecular orientation prevents the propagation of cracks which results in spectacular increase in product's lifetime. Thanks to their considerable capacity for bearing heavy loads, optimum performance once laid underground is ensured.



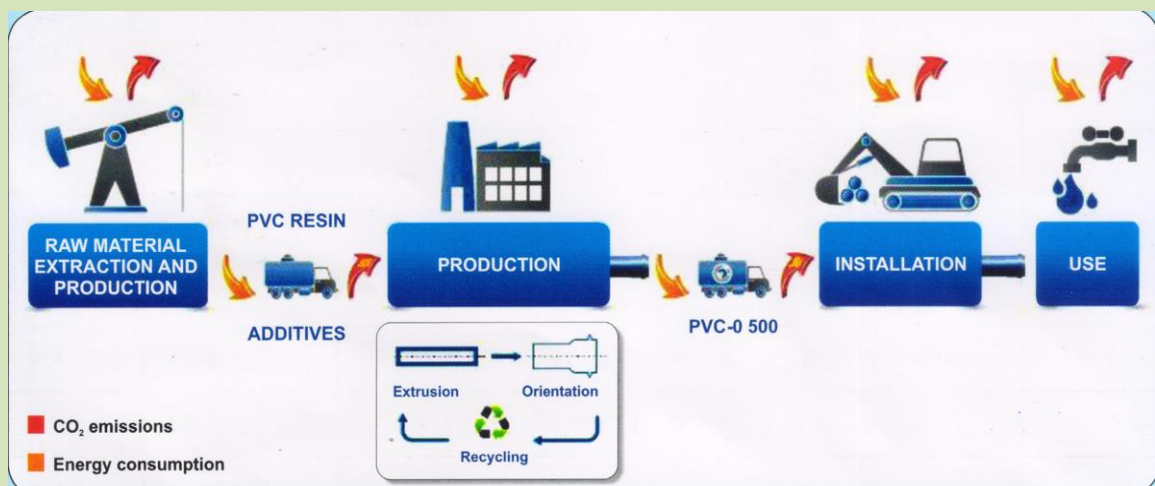
✚ Excellent Response to water hammers

Celerity of ADARSH PVC-O PIPES is lower than other piping systems (four times less than ductile iron pipes), meaning lesser water hammers caused by sudden variation in water volume and pressure. Possibility of breakage is eliminated and every component of the network is protected during the opening and closing in the water network.



✚ Energy-Efficient and Eco-friendly

The time required to produce ADARSH PVC-O Pipes is significantly lesser than that of other high-pressure pipes. Unlike metal pipes, high energy expenses are not incurred in the manufacturing of PVC-O pipes. The emission of co2 is the least amongst the contemporary pipes.



Distinctive Features of PVC-O PIPES

- Integrated/Homogenous socket system
- Inert to chemicals from 3-12 pH
- 50 years of service life
- Quick installation and low maintenance
- 100% recyclable - green product
- Life of EPDM is 5 years
- Easy compatibility with any other piping system
- Fully automated manufacturing technology
- Highest orientation class (Class 500)
- Extremely lightweight
- 30% Savings in project cost compared to other material pipes.

Tests conducted as per IS 16647:2017

- Visual and dimensional test
- Vicat softening test
- Density test
- Resistance to external blows at 0°C
- Resistance to internal hydrostatic pressure test (Acceptance test) and short-term negative pressure test for leak tightness of assemblies
- Resistance to d-chloromethane
- Uniaxial Tensile Strength
- Ring Stiffness test

Dimensions:-

Nominal Diameter (ND)	Outer Diameter (OD)		PN - 12.5		PN - 16	
	Min	Max	Inner Diameter (ID)	Wall Thickness (e)	Inner Diameter (ID)	Wall Thickness (e)
MM			Average	Min	Average	Min
110	110.0	110.4	104.4	2.4	104.0	2.6
160	160.0	160.5	152.0	3.5	151.4	3.7
200	200.0	200.6	190.0	4.3	189.2	4.6
250	250.0	250.8	237.4	5.4	236.4	5.8
315	315.0	316.0	299.2	6.8	298.0	7.2
400	400.0	401.2	379.8	8.7	378.4	9.2

Picture Gallery :-





MANUFACTURERS

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