



# ATLANTA PVC-O

## PVC-O: The best choice for high-pressure fluid transport

### ADVANTAGES:

#### Unbeatable Impact Resistance

PVC-O pipes have a high resistance to shock. This means that are minimized breakages during installation or during on-site trials caused by dropping or by impacts from stones.

#### Excellence Response To Water Hammers

PVC-O pipes offer lower celerity than other piping systems (four times less than ductile iron pipes), which means less water hammers caused by sudden variations in water volume and pressure. This reduces and almost eliminates the possibility of breakage during opening and closing in the water network and when pumping gets under way, protecting every component of the network.

#### Maximum Flexibility

Thanks to their excellent elasticity, PVC-O pipes can bear big deformations of their internal diameter. When crushed, or in the event of a mechanical accident, PVC-O pipes immediately go back to its original shape, thus minimizing the risk of potential breakage by soil subsidence or sharp edges on rocks or machinery, for example.

#### Lower Cost and Easier Installation

PVC-O pipes are lighter and easier to handle than other pipes made from other materials: in most cases, handling does not require machinery.

#### High Short and Long-Term Hydrostatic Resistance

PVC-O pipes offer a resistance to internal pressure of up to two times the nominal pressure (32 bars in PN16 bar pipes or 400 psi in PN200 psi), which means that they can bear sporadic excessive pressure such as water hammers and other malfunctions in the network.

#### Increased Hydraulic Capacity

Orientation widens the inner section of the pipe, giving PVC-O pipes a higher internal diameter and greater flow section. Also, the internal surface is extremely smooth, reducing load loss and making it more difficult for deposits to be formed on the inner walls.

#### Completely Corrosion Resistant

Oriented PVC is immune to corrosion and to natural chemical substances, as well as to aggression from micro- and macro-organisms. PVC-O pipes, therefore, are not degradable. Moreover, they do not require any type of special protection or coating, which means cost-savings.





## APPLICATIONS:

- Sewage
- Fire Protection Nets
- Industrial Applications
- Infrastructural Nets

## JOINTING METHOD:

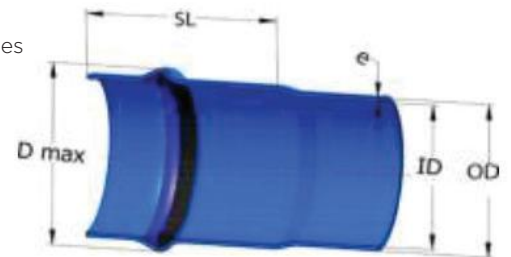
Fixed Sealing Rings - PP & EPDM Rubber

PVC-O 500 PIPE										
Nominal Pressure (bar)		PN12.5			PN16		PN20		PN25	
Nominal Diameter (DN)	Outside Diameter (OD)		Inside Diameter (ID)	Wall Thickness (e)	Inside Diameter (ID)	Wall Thickness (e)	Inside Diameter (ID)	Wall Thickness (e)	Inside Diameter (ID)	Wall Thickness (e)
	min.	max.	average	min.	average	min.	average	min.	average	min.
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
90	90.0	90.3	-	-	84.0	2.0	84.0	2.5	82.2	3.1
110	110.0	110.4	104.4	2.2	104.0	2.4	103.2	3.1	101.4	3.8
125	125.0	125.4	118.8	2.5	117.8	2.8	117.0	3.5	115.2	4.3
140	140.0	140.5	133.0	2.8	132.4	3.1	131.2	3.9	129.2	4.8
160	160.0	160.5	152.0	3.2	151.4	3.5	150.0	4.4	147.6	5.5
200	200.0	200.6	190.0	4.0	189.2	4.4	187.4	5.5	184.4	6.9
225	225.0	225.7	213.6	4.5	212.8	5.0	210.8	6.2	207.4	7.7
250	250.0	250.8	237.4	5.0	236.4	5.5	234.2	6.9	230.6	8.6
315	315.0	316.0	299.2	6.3	298.0	6.9	295.2	8.7	290.6	10.8
355	355.0	356.1	337.4	7.1	336.0	7.8	332.4	9.8	327.2	12.2
400	400.0	401.2	379.8	8.0	378.4	8.8	374.8	11.0	369.0	13.7
450	450.0	451.4	427.6	8.9	426.0	9.9	421.4	12.4	415.0	15.4
500	500.0	501.5	474.6	9.9	472.8	11.0	468.6	13.7	461.2	17.1
630	630.0	631.9	597.8	12.6	595.8	13.8	590.4	17.3	581.0	21.6
710	710.0	712.0	674.8	14.2	671.4	15.4	665.6	19.2	654.6	24.4
800	800.0	802.0	760.4	16.3	757.8	17.4	750.4	21.6	-	-

PVC-O pipes are supplied in total length of 5.95 metres (socket included).  
 For other lengths for special projects, price on request.  
 The inside diameters may be subjected to variation according to manufacturing tolerances

## SPECIFICATIONS:

Conforms to ISO 16422



Images for illustration only. Actual products and specifications may vary without prior notice.  
 For inquiries, contact our Technical Department.



35th Flr. Atlanta Center Bldg., No. 31 Annapolis St. Greenhills, San Juan City  
 Tel. No.: 8723-0781 to 88 | Fax No.: 7744-4703 / 8584-2997  
 Website: [www.atlanta.ph](http://www.atlanta.ph) | Email Sales: [marketing@atlanta.ph](mailto:marketing@atlanta.ph)  
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