Technical Data

PVC-A Pipe>

DESCRIPTION

PVC-A pipes and fittings system

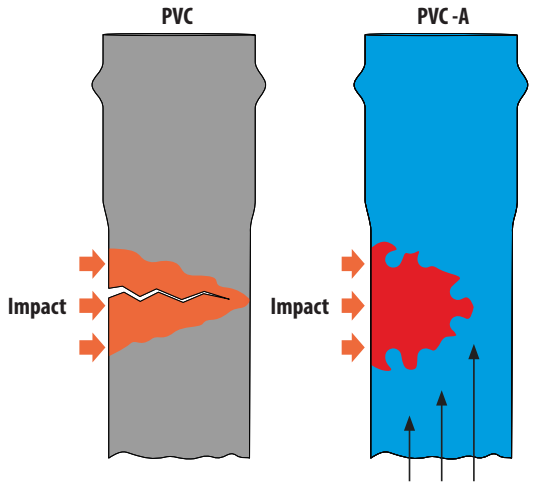
- PVC mixed polymeric composite system crack propagation resistant
- Better performances for conveying water and fluids in pressure

Features

- High resistance to crack propagation while laying
- Substantial resistance to point loads impact at low temperature as well
- Chemical agents excellent
- Stray currents resistance
- Less weight than plastic traditional ducts of equal diameter

PROPERTY	UNIT	VALUE	METHOD
Specific weight	gr/cm^3	1,38 - 1,40	ISO 1183
Yield strength	Mpa	≥ 40	EN ISO 6259
Longitudinal tension	%	≤ 5	ISO 2505
Softening temperature (VICAT)	°C	≥ 80	ISO 2507
Internal pressure resistance (1 h at 20 ° C 36 Mpa)	Hours	> 1	BS PAS 27
Opacity	%	≤ 0,2	ISO 7686

RESISTANCE TO CRACK PROPAGATION



PVC-A pipes with Forsheda Powerlock gasket

- The gasket consists of two elements:
- - A flexible rubber element aimed at obtaining perfect adhesion between the gasket and the tube inserted into it
- - A polypropylene reinforcement material, adhering to the rubber element, which keeps the gasket fixed in its seat without it coming out
- In this way the gasket becomes an integral part of the belling process, giving shape to the groove, seat of the gasket, thus minimizing irregularities and tolerances

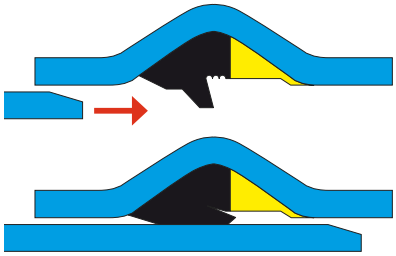
Property

- Excellent hydraulic flow
- Less accumulation of organic deposit
- Flexibility of the joint
- Resistance to chemical agents and abrasion
- Ease of installation and assembly
- The gasket is stable in its seat and has no adhesion irregularities

Advantages for installers, operators, designers

- Time savings during installation and testing
- Hydraulic seal guarantee both with positive and negative pressures down to - 0.5 bar
- Greater reliability of the hydraulic seal of the gasket
- Angular deflection of the seal up to 3 ° (high compensation)
- Pipe and gasket form a single element
- The seal can no longer be removed
- Considerable reduction of efforts during the assembly phases
- No risk of incorrect insertion of the gaskets and therefore no leaks
- Guarantee of the correct functionality of the entire system

Axonometric view of PVC-A pipe with Forsheda Powerlock gasket mechanically hot pre-inserted during the belling phase of the pipe



Adhesion performance of the hot mechanically pre-inserted Forsheda Powerlock gasket during the formation phase of the PVC-A pipe socket

Piping

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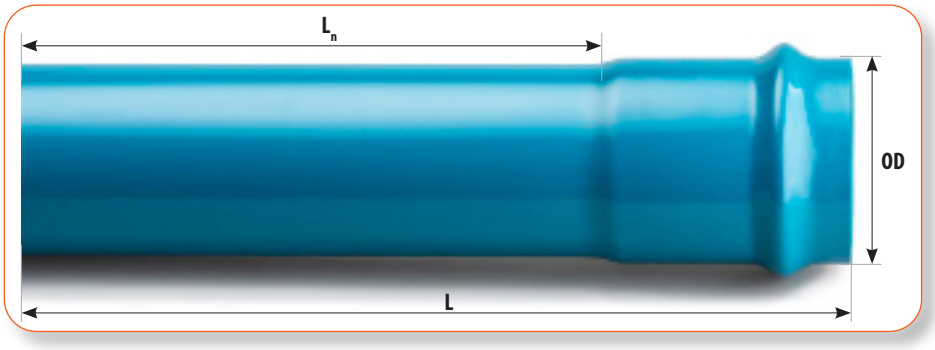
DIMENSIONAL RANGE

	Lenghts mm		Thickness mm					
OD mm	L	Ln•	PN 8	PN 10	PN 12,5	PN 16	PN 20	Pipes x pallet
50	6.000	5.890	–	–	2,4	3	3,9	194
63	6.000	5.880	–	2,1	2,9	3,2	4,7	123
90	6.000	5.865	–	2,6	3,1	4	4,9••	96
110	6.000	5.850	2,7	3,1	3,8	4,9	6	57
125	6.000	5.840	3,1	3,5	4,8	5,5	6,8••	51
140	6.000	5.830	3,5	3,9	5,4	6,2	7,6	45
160	6.000	5.810	3,6	4,5	5,6	7	8,7	33
200	6.000	5.790	4,5	5,6	6,9	8,8	11,5	20
225	6.000	5.785	5,5	6,3	8,6	9,9••	12,2••	18
250	6.000	5.760	5,6	7	9,2	11	13,6••	12
280	6.000	5.740	6,9	7,8	10,7	12,3	15,2••	11
315	6.000	5.730	7,1	8,8	10,9	13,8	17,1	9
355	6.000	5.725	8,5••	9,9	12,3••	16	–	5
400	6.000		9,4	11,2	15	19,1	–	5
500	6.000		11,9	13,9	19,1	–	–	2

•Useful length ••On request



> PVC-A Pipe Anti-fraying Fittings

DESCRIPTION

Features

- Once assembled, the pipe cannot be removed
- By using anti-fraying fittings, anchor blocks are not required either for standard ducts installation or for no-dig ones

Material

- PVC-U fitting
- Seal: SBR - RVS 304

OD	PN12,5	Du	L	Max. Press.
63	+	84	250	PN 16
90	+	115	280	PN 16
110	+	140	280	PN 16
160	+	200	335	PN 16
200	+	250	372	PN 16