

avonplast®



**PVC CONDUIT PIPES
with FRLS & FITTINGS**

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PVC CONDUIT PIPES & FITTINGS

The 'avonplast' brand and The Company:

The thirty-six years brand 'avonplast' is from the enduring company Avonplast PVC (Bangalore) Pvt. Ltd. The Company with its front-end Philosophies, Internal make-up, Cultured driving forces, Sound knowledge, Commitment, fully focussed towards their goal helped them grow steadily and continuously to redress and adapt positively in situation of today's market.

The Manufacturing:

Avonplast PVC (BLR) Pvt. Ltd. Bangalore are the first and foremost manufacturers of Rigid PVC Conduits and Fittings in South India. Conduits and Fittings are manufactured with most modern

state-of-the art plant located in Bangalore with stringent Quality Control.

'avonplast' conduits are ISI certified and come in a complete range with fittings for application in Domestic, Industrial, Agriculture and Wiring applications.

The Quality Edge:

Total Quality Assured Product (TQAP) 'avonplast' Rigid PVC Conduits and Fittings have stood the test of time in ever maintaining its quality standards to the utmost satisfaction and needs of the end-user, thus gaining the acceptability & trust in 'avonplast' brand of conduits and fittings.

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The Characteristics:

High Corrosion Resistance:

'avonplast' Rigid PVC Conduits are free from rust and are not attacked by corrosive, saline atmosphere and excessive humidity.

Fire Resistance:

'avonplast' Rigid PVC Conduits are fire retardant and self extinguishing. Hence they are less hazardous and safer than other thermoplastic pipes.

Conductivity:

The electrical conductivity of PVC is low and therefore this is most suitable as electrical conduits

Non-Conductor :

PVC is a non-conductor of electricity and as such 'avonplast' Rigid PVC Conduits prevent electrical shocks and shorts.

Light Weight:

'avonplast' rigid PVC conduits weigh only $\frac{1}{6}^{\text{th}}$ as much as Steel Conduits of same diameter and are therefore easy to handle, transport and install.

Strength:

PVC pipes generally have high mechanical strength and as such 'avonplast' Rigid PVC Conduits can be used in open and buried installations.



The user friendly and convenient product:

Easy Wiring :

'avonplast' Rigid PVC Conduits have smooth interior wall which makes wiring easier and faster.

Easy Installation:

'avonplast' Rigid PVC Conduits can be shaped and joined without difficulty. Bends can be made by heating. Joining by solvent cement technique is cheaper, simpler and easier.

No Maintenance:

PVC Conduit pipes do not need any painting and has excellent weathering properties. Hence 'avonplast' Rigid PVC Conduits need little or no maintenance.

Physical and Electrical Properties:

'avonplast' Rigid PVC Conduits have the following Physical and Electrical properties:

Specific Gravity	: 1.4
Tensile Strength kg/cm ²	: Over 500
Breakdown Voltage KV/mm	: 18
Insulation Resistance	: 4x10 ¹⁰ -@ 500V (40,000 Mega Ohms)

The Product Acceptance and Patronised by:

- Larsen and Toubro-ECC Group
- Karnataka Electricity Board
- Mahanagara Telephone, Bombay
- Southern Railway
- Tamil nadu Electricity Board
- Kerala Electricity Board
- National Thermal Power Corpn.
- Re-Union Engg. Co. Ltd.
- Nagarjuna Construction Co.
- B.H.E.L Trichy
- B.E.M.L, Bangalore
- National Aeronautical Laboratory
- P.W.D.Govt. of Kerala
- P.W.D.Govt. of Tamilnadu
- M.R.T.P. Chennai
- TATA Projects Ltd., Hyderabad

The Standardization:

'avonplast' Rigid PVC Conduits conform to IS:9537: 1983 and are available with ISI mark under License No. CM/ L- 1325538

'avonplast' Rigid PVC Conduits are made from best quality raw-materials and also conform to ASTM-D standards for HIGH IMPACT and Fire retardant low smoke (FRLS)

Range of Products:

'avonplast' Rigid PVC Conduit pipes are available with Rigid PVC Fittings in Grey, Black and Ivory Colours in the range of 16mm to 63mm.

DIMENSIONAL DETAILS OF RIGID NON-METALLIC CONDUITS

Clause 3.1 IS : 9537/1983 Part-3 with ISI Mark (All Dimensions in Millimeters)

Nominal O.D.	Minimum I.D.	Light	Medium	Heavy	Maximum Permissible Eccentricity	Maximum Permissible Ovality
16	15.7	13.7	13.0	12.2	0.2	0.5
20	19.7	17.4	16.9	15.8	0.2	0.5
25	24.6	22.1	21.4	20.6	0.2	0.5
32	31.6	28.6	27.8	26.6	0.2	0.5
40	39.6	35.8	35.4	34.4	0.2	0.5
50	49.5	45.1	44.3	43.2	0.4	0.6
63	62.4	57.0	-	-	0.4	0.8

Note: All sizes with ISI Certified Mark under ISI Marking License No. CM/L 1325538

For further details please write to:

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Authorised Dealers



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