



IS : 9537



Part-3

# **BEC PLAST**

*Excellence in Quality ....*

## PVC CONDUITS

- Long term tensile strength
- Corrosion resistant
- Maintenance free
- Easy to install

### About The Company

BECOM Pipe Industries is a leading manufacturer of ISI marked rigid PVC conduit pipes, formed under the guidance of Mr. Ajay Mehra and Mr. Anil Mehra, the company is managed by a group of highly qualified managerial and technical personnel. Pursuing the motto 'Excellence in Quality', all members of BECOM Pipe Industries coordinate their activities to provide best quality products and quality in their services. A strong marketing network ensures that our customers' requirements are met in time, every time.

### Product

BEC PLAST PVC conduit pipes are manufactured as per IS 9537 Part 01/1983 standard. PVC conduit pipes are manufactured in two variants: Medium Duty and Heavy Duty. BEC PLAST PVC conduit pipes are manufactured from pure Poly-Vinyl chloride resin. This imparts adequate mechanical strength to bear very heavy loads and high temperatures for any job requirement. Further, BEC PLAST PVC conduit pipes are unplasticized, which makes the pipes impact resistant. Also, owing to the heat resistance quality, BEC PLAST PVC conduit pipes do not deform nor cause any kind of cable failure during the heat generated by voltage fluctuations. Lastly, as BEC PLAST PVC conduit pipes are smooth walled, wire pulling becomes significantly effortless. Each length of BEC PLAST PVC conduit pipes is marked with our trademark 'BEC PLAST' and ISI mark, along with size and dimensions. Primarily manufactured in White & Black colours, we also manufacture PVC Conduit pipes in other colours as per customer's requirements.

BEC PLAST PVC conduit pipes are manufactured as per the following IS 9537 Part 01/1983 dimensions.

### Dimensions of Rigid PVC Conduits (All dimensions are in millimeters)

NOMINAL SIZE	OUTSIDE DIAMETER	TOLERANCE ON OUTER DIA.	INSIDE DIAMETER, MIN.		
			Light	Medium	Heavy
(1)	(2)	(3)	(4)	(5)	(6)
20	20	-0.3	17.4	16.8	15.8
25	25	-0.4	22.1	21.5	20.6
32	32	-0.4	28.4	27.8	26.6
40	40	-0.4	35.8	35.4	34.4
50	50	-0.5	45.1	44.1	43.2

### Quality Control

At BECOM Pipe Industries, the quality control engineer and the quality control team are very vigilant. They ensure that the entire production strictly abides as per the above given IS 9537 Part 01/1983 dimensions. They select pipes at random from each lot and test them as per the following tests:

1. Construction Test
2. Dimension Test
3. Uniformity of Wall Thickness
4. Mechanical Strength
  - a. By Compression testing machine
  - b. By Impact testing machine
  - c. By Bend testing machine
  - d. By Collapse test
5. Resistance to heat test
6. Electrical Characteristics
  - a. Dielectric strength
  - b. Insulation Resistance test
7. Durability of Marking



# **BEC PLAST**

## *ACCESSORIES*

BEC PLAST manufactures the following PVC accessories:

**1. PVC Sockets**

Manufacturing Range:  
20mm - 100mm  
Manufactured in colours:  
White, Grey & Black

**2. 1-Way Junction Box**

Manufacturing Range:  
20mm - 100mm  
Manufactured in colours:  
White & Black

**3. 2-Way Junction Box**

Manufacturing Range:  
10mm - 32mm  
Manufactured in colours:  
White & Black

**4. 3-Way Junction Box**

Manufacturing Range:  
10mm - 12mm  
Manufactured in colours:  
White & Black

**5. 4-Way Junction Box**

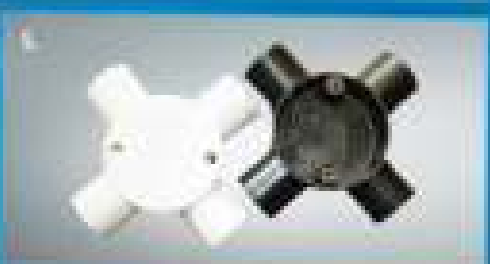
Manufacturing Range:  
20mm - 32mm  
Manufactured in colours:  
White & Black

**6. PVC Bends**

Manufacturing Range:  
10mm - 50mm  
Manufactured in colours:  
White, Grey & Black

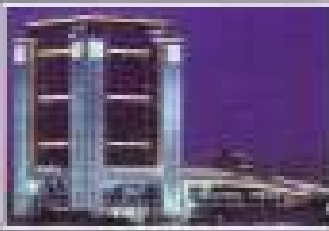
**7. Deep Junction Box**

Manufacturing Range:  
20mm - 100mm  
Manufactured in colours:  
White & Black



## Clientele

BEC PLAST is in great demand by all leading builders, governments & private infrastructure companies and electrical contractors. BEC PLAST PVC Conduit pipes are used across India.



ONG Science



India's Capital International Airport



ICC Supreme Mall



Platinum Courtyard Hotel

## Why Us

- Quality products at competitive prices
- Prompt execution of orders
- Transparency in dealing
- Maximize interest of all stakeholders



*Providing the Perfect Safety  
for  
Electric Conductors*

