NEW BUILDING MATERIAL

DOUBLE WALL CORRUGATED (DWC) HDPE PIPES

Description of Item: Double Wall Corrugated (DWC) HDPE pipes

Double Wall Corrugated (DWC) HDPE pipes are similar to normal HDPE pipes except that they have different external & internal surfaces which gives them additional strength and stiffness. These are made with High Density Polyethylene which has very high life expectancy. These are externally corrugated and have smooth surface inside and are available from 75 mm to 1.0 m dia. These pipes are light weight and can be used for non-pressure underground sewerage, drainage & cross drainage (pipe culvert) including rain water harvesting purposes. They are maintenance free and therefore, once installed, will lie underground for years.

Uses of DWC HDPE Pipes:

Sewerage / Storm Water Drainage.
Sewerage treatment plants.
Earthquake prone areas with high tectonic movements.
Drainage & Sewerage in Buildings/Hospitals/Workshop/Colony.

Merits of DWC HDPE Pipes:

- Expected Service life: 75 to 100 years.
- Environmentally safe: No leaks, no cracks and no damage to environment and soil.
- Socio-environmental friendliness: Pipe laying does not disturb urban clusters.
- Cost effective: Uses minimal material for equal strength. Maintenance is low because of non-adherence of sewage elements on the chemically inert pipe surfaces, no chance of corrosion and zero to low damages.
- Ease of Installation: No heavy loading and carrying machinery is required. They are user friendly, very fast and inexpensive in installation. Use less manpower and can be installed in very constrained locations. They comes with simple push fit joints with Elastomeric sealing Ring for online system or with extra couplers. Joining time is 2-5 minutes per joint.
- Chemical Resistance: Chemically inert to waste water ingredients and ‘crown corrosion’ is non-existent.
- 400mm dia DWC pipe weight only 8.4 Kg/m which is very less in comparison to RCC pipe & HDPE solid wall pipe.
- Available in 6mt. standard length. Flexible & adaptable to any type of soil and earth condition.
- Green piping material for environmental sustainability.
Technical Specification of DWC HDPE Pipes:

The DWC HDPE pipes conforms the IS 16098 (Part 2): 3013 Structured-Wall plastics piping systems for NON- Pressure drainage and sewerage –Specification

Available Sizes:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Manufacturer</th>
<th>Nominal Internal Diameter (mm)</th>
<th>Outer Diameter (mm)</th>
<th>Strength/Stiffness Class</th>
<th>Standard Length (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Alom Poly Extrusions Ltd., Kolkata</td>
<td>75 to 1000</td>
<td>90 to 1200</td>
<td>SN 4 and SN 8</td>
<td>6</td>
</tr>
<tr>
<td>2.</td>
<td>REX Polyextrusion Ltd., New Delhi</td>
<td>100 to 1000</td>
<td>-</td>
<td>SN 4 and SN 8</td>
<td>6</td>
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</tbody>
</table>

Price list provided by M/s ALOM POLY EXTRUSIONS LTD., Kolkata:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Sizes (ID in mm)</th>
<th>Sizes (OD in mm)</th>
<th>Final Price / m (Taxes Inclusive)</th>
<th>Fright</th>
<th>FOR Delhi</th>
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<tbody>
<tr>
<td>1</td>
<td>200</td>
<td>238</td>
<td>Rs. 666.58</td>
<td>Rs. 57.00</td>
<td>Rs. 724.00</td>
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<td>2</td>
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<td>Rs. 97.00</td>
<td>Rs. 1,285.00</td>
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<td>Rs. 257.00</td>
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<td>Rs. 648.00</td>
<td>Rs. 6,728.00</td>
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<td>Rs. 10265.27</td>
<td>Rs. 1166.00</td>
<td>Rs. 11,431.00</td>
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<tr>
<td>6</td>
<td>1000</td>
<td>1200</td>
<td>Rs. 16538.16</td>
<td>Rs. 1458.00</td>
<td>Rs. 17,966.00</td>
</tr>
</tbody>
</table>

Manufacturers & Suppliers:

1) ALOM POLY EXTRUSIONS LTD.,
   Alom House, 7B, Pretoria Street, Kolkata- 700071 (WB)
   Ph: +91-33-40106789, Fax: +91-33-22827305 , Email: mktg@alom.in

2) REX POLYEXTRUSION LTD.,
   S1 & 2 , Ilnd Floor, Manish Highway Plaza-II,
   Plot No. 25, Sector-20, Dwarka, New Delhi-110075
   Ph: +91-11-28050130, 28050312, Fax 011-28050131, Email: pancholia@rediffmail.com

3) Gemini Group of Companies,
   B-141- A, Road No. 9-D, V.K.I. Area, Jaipur, Rajasthan, India – 302001
   Telephone: +91-141-2331030, Email: sales@geminipipes.com
DWC HDPE Pipe

Joining of DWC HDPE Pipe by elastomeric rubber rings & couplers

Fittings for DWC HDPE Pipe

Laying of DWC HDPE Pipe