

PE DWC Piping Systems

Jain
Plumbing[™]

Install Peace of Mind !

WITH OVER 40 YEARS OF EXPERIENCE INDIA'S LEADING PLASTIC PROCESSOR;
BRINGS TO YOU
RANGE OF DWC PIPES FOR DRAINAGE AND SEWERAGE

super PE DWC

 **JAIN**[®]
Jain Irrigation Systems Ltd.
Small Ideas. Big Revolutions.®

IS 16098 (Part-2)



CM/L-7700001810

India's Leading Piping Solution Provider

Jain Irrigation System Limited (JISL), has an unmatched and enviable performance track record as a Total Solution Provider for various thermoplastics piping system such as for Agriculture, Water, Gas, Telecom, Utility, Sewerage, Chemicals, Industrial Effluents, Mining, Slurry, Coal ash, SWR, Sub soil drainage, Ground water tapping, Lift Irrigation, Micro Irrigation & sprinkler irrigation, Hand pump, House service connections etc. Jain Irrigation System Ltd is a diversified entity with turnover in excess of \$ 1.2 Billion. We have a global presence with 33 manufacturing bases spread over four continents. Our products are supplied to 126+ countries with able assistance from 11,000+ dealers and distributors worldwide. With over 5 decades of efforts and presence in the marketplace we have reached over 8.5 million farmers.

Double Wall Corrugated is a low-cost product with an excellent quality solution for the Underground drainage system. It is used for the construction of the underground flow channels for the transportation of sewage water. These pipes are manufactured as per IS 16098 (Part-2), have a smooth internal surface and corrugated external surface. DWC pipes are available in the size range from 75 mm to 500 mm with stiffness classes of SN-4 KN/m² and SN-8 KN/m².

Product Range

☉ Pipes: 75 to 500 mm ☉ Fitting: Various types of fitting such as Tee, Bend, Reducer etc. are available on demand.

PE DWC Dimensional Details

Sr. No.	Nominal Pipe Size (mm)	Minimum ID (mm)	SN (KN/m ²)	Joining method
1	DN/ID 75	71	4 & 8	With Coupler & Rubber Sealing Ring
2	DN/ID 100	95	4 & 8	
3	DN/ID 150	145	4 & 8	
4	DN/ID 170	165	4 & 8	
5	DN/ID 200	195	4 & 8	
6	DN/ID 135	130	4 & 8	Integral Socketed with Rubber Sealing Ring
7	DN/ID 250	245	4 & 8	
8	DN/ID 300	294	4 & 8	
9	DN/ID 400	392	4 & 8	
10	DN/ID 500	490	4 & 8	

Note: We can supply SN-6 KN/m² pipes as per Company standard on demand.

PE DWC Pipe Properties

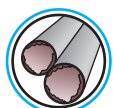
Sr. No.	Property	Test Method	Value	Unit
1	Visual Appearance	Visual check	The internal surface of the pipe shall be smooth & External surface shall be corrugated profile design. Both surfaces shall be clean and free from pin holes, deformations and other visual defects.	---
2	Color of the Pipe	IS:16098 (Part-2)	SN-4 SN-8 Inner Blue Orange Outer Black Black	---
3	Length of Pipe	Visual check	Overall length 6 meter (Tolerance ± 50mm)	mm
4	Resistance to heating (Oven test) at 110 ± 2° C	IS:16098 (Part-2)	Shall not show any delamination, cracks or bubbles	%
5	Melt mass flow rate at 190°C & 5 kg load	IS:16098 (Part-2)	≤ 1.6 g/10 min	
6	Density	IS:16098 (Part-2)	≥ 930 kg/m ³	kg/m ³
7	Ring Stiffness	IS:16098 (Part-2)	≥ SN 4 or ≥ SN 8	kN/m ³
8	Ring Flexibility	IS:16098 (Part-2)	There shall be no damage at 30% deflection	---
9	Impact Strength at 0 ± 1° C	IS: 16098 (Part-2)	TIR ≤ 10%	---

Features of PE DWC Piping System

- ◆ Excellent earth load bearing strength
- ◆ Abrasion resistant
- ◆ Ease of installation
- ◆ Quick & easy connectivity with manholes & chambers
- ◆ Corrosion resistance
- ◆ Durability (100+ years life)
- ◆ Excellent chemical resistance
- ◆ Hygienic & Safe, Light in weight and are economical
- ◆ Flexible yet strong
- ◆ No root intrusion
- ◆ 100% watertight joints thus avoids soil contamination
- ◆ Excellent soil bonding due to corrugated profile

Applications

- For Non-Pressure underground Drainage and Sewerage lines
- Building & House waste-water connections
- Detention/ Retention Storm Water Line
- Sub-Surface Drainage transportation
- Industrial Effluent Discharge
- Railway & Highway crossing



Corrosion Resistant



No Electrical tools required



Economical



Easy to install



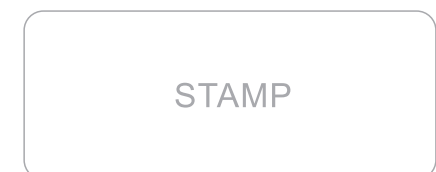
Durability 50+ years



Excellent Earth Load bearing strength



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