

Indian Standard

STRUCTURED-WALL PLASTICS PIPING SYSTEMS FOR NON-PRESSURE DRAINAGE AND SEWERAGE — SPECIFICATION

PART 1 PIPES AND FITTINGS WITH SMOOTH EXTERNAL SURFACE, TYPE A

1 SCOPE

This standard (Part 1) specifies requirements for pipes and fittings with smooth external surface Type A, based on PVC-U structured wall piping system in the field of non-pressure systems for underground drainage and sewerage.

It is applicable to PVC-U structural wall pipes and fittings with or without an integral socket with elastomeric sealing ring joints or solvent cement welding joints. This standard covers the range of pipes and fittings sizes from 110 mm to 1 200 mm nominal outside diameter.

NOTES

- 1 These pipes, fittings and system can be used for highway drainage and surface water.
- 2 Other thermoplastic materials can be added *via* an addendum.

2 REFERENCES

The following standards contain provisions which, through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below:

<i>IS No.</i>	<i>Title</i>
4905 : 1968	Methods for random sampling
5382: 1985	Specification for rubber sealing rings for gas mains, water mains and sewers (<i>first revision</i>)
12235	Thermoplastics pipes and fittings — Methods of test (<i>first revision</i>)
(Part 1) : 2004	Measurement of dimensions
(Part 2) : 2004	Determination of Vicat softening temperature
(Part 5): 2004	Longitudinal reversion
(Part 6): 2004	Stress relief test
(Part 8)	Resistance to internal hydrostatic pressure
(Sec 2) : 2004	Leak-tightness of elastomeric sealing ring type socket joints under positive

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	internal pressure and with angular deflection
(Sec 3) : 2004	Leak-tightness of elastomeric sealing ring type socket joints under negative internal pressure and with angular deflection
(Part 9) : 2004	Resistance to external blows (impact resistance) at 0°C (round-the-clock method)
(Part 11) : 2004	Resistance to dichloromethane at specified temperature
14182: 1994	Solvent cement for use with unplasticized polyvinyl plastic pipe and fittings — Specification
15778 : 2007	Chlorinated polyvinyl chloride (CPVC) pipes for potable hot and cold water distribution supplies — Specification
16098 (Part 2) : 2013	Structured-wall plastics piping systems for non-pressure drainage and sewerage — Specification: Part 2 Pipes and fittings with non-smooth external surface, Type B