

Indian Standard

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

PART 2 PIPES AND FITTINGS WITH NON-SMOOTH EXTERNAL SURFACE, TYPE B

1 SCOPE

This standard (Part 2) specifies requirements for pipes and fittings with non-smooth external and smooth internal surface based on PE structured wall piping system for non-pressure underground drainage and sewerage.

It is applicable to PE or PP structured wall-pipes and fittings with or without integral sockets and with elastomeric sealing ring joints as well as welded or fused joints. This standard covers the pipes and fittings sizes from 75mm to 1 200 mm nominal inside diameter.

NOTES

1 These pipes, fittings and the 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>	<i>IS No.</i>	<i>Title</i>
2530:1963	Methods of test for polyethylene molding materials and polyethylene compounds	(Part 6) : 2004 (Part 8)	Stress relief test Resistance to internal hydrostatic pressure,
3400 (Part 2):2003	Methods of test for vulcanized rubber: Part 2 Rubber, vulcanized or thermoplastic — Determination of hardness (hardness between 10 IRHD and 100 IRHD) (<i>third revision</i>)	(Sec 1):2004	Resistance to internal hydrostatic pressure at constant hydrostatic pressure (<i>first revision</i>)
4905 : 1968	Methods for random sampling	(Sec 2) :2004	Leak-tightness of elastomeric sealing ring type socket joints under positive internal pressure and with angular deflection (<i>first revision</i>)
5382 : 1985	Specification for rubber sealing rings for gas mains, water mains and sewers (<i>first revision</i>)	(Sec 3):2004	Leak-tightness of elastomeric sealing ring type socket joints under negative internal pressure and with angular deflection (<i>first revision</i>)
7328 : 1992	High density polyethylene materials for moulding and extrusion — Specification (<i>first revision</i>)	(Part 9):2004	Resistance to external blows (impact resistance) at 0°C (round-the-clock method)
12235	Thermoplastics pipes and fittings — Methods of test:	13360 (Part 2)	Plastics — Methods of test: Sampling and preparation of test specimens,
		(Sec 1):1992	Compression moulding test specimens of thermoplastics materials
		(Sec 3):2000	Injection moulding of test specimens of thermoplastic materials — General principles and moulding of multipurpose and bar test specimens
		16098(Part 1) : 2013	Structured-wall plastics piping systems for non-pressure drainage and sewerage — Specification: Part 1 Pipes and fittings with smooth external surface, Type A