Indian Standard

POLYPROPYLENE-RANDOM COPOLYMER PIPES FOR HOT AND COLD WATER SUPPLIES SPECIFICATION

1 SCOPE

This standard specifies requirements for polypropylene-random copolymer pipes from 16 to 200 mm nominal diameter of SDR 11, 7.4, 6 and 5 for

a) wall concealed hot and cold water conveyance pipelines for inside and outside buildings (properly UV stabilized) , and

b) pipelines for the solar heating sys tem inside and outside the buildings.

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 encourages to investigate the possibility of applying the most recent editions of the standards indicated below:

IS No.	*Title*
2530 : 1963	Methods of test for polyethylene moulding materials and polyethylene compounds
9845 : 1998	Methods of analysis for determination of overall migration of constituents of plastic materials and articles intended to come into contact with foodstuffs
10909 : 2001	Positive list of constituents of polypropylene and its copolymers in contact with foodstuffs, pharmaceuticals and drinking water
10910 : 1984	Specification for polypropylene and its copolymers for its safe use in contact with foodstuffs, pharmaceuticals and drinking water
10951 : 2002	Polypropylene materials for moulding and extrusion
12235	Thermoplastic pipes and fittings — Methods of tests:
(Part 3) : 2004	Test for opacity
(Part 5/Sec 1) : 2004	Longitudinal reversion. Section I Determination methods
(Part 8/Sec 1) : 2004	Resistance to internal hydrostatic pressure, Section 1 Resistance to internal hydrostatic pressure at constant internal water pressure
(Part 14) : 2004	Determination of density/relative density (specific gravity)
13360 (Part 3/Sec 1) : 1995	Plastics methods of testing: Physical and dimensional of density and relative density of non-cellular plastics
(Part 4/Sec 1) : 2000	Rheological properties, Section 1 Determination of melt mass flow rate (MFR) and the melt volume flow rate (MVR) of thermoplastics
(Part 5/Sec 5) : 1996	Mechanical properties. Section 5 Determination of charpy impact strength