Indian Standard

POLYETHYLENE FITTINGS FOR USE WITH POLYETHYLENE PIPES FOR THE SUPPLY OF GASEOUS FUELS — SPECIFICATION

PART 1 FITTINGS FOR SOCKET FUSION USING HEATED TOOLS

1 SCOPE

This standard (Part 1) lays down requirements for buried polyethylene socket fittings using heated tools, where the shape and composition of the fitting is suitable for fusion with polyethylene pipes complying with IS 14885 : 2001 'Polythylene pipes for the supply of gaseous fuels — Specification' and spigot fittings conforming to IS 15927 (Part 2) : 2010 'Polyethylene fittings for use with polyethylene pipes for the supply of gaseous fuels — Specification: Part 2 Spigot fittings for butt fusion, for socket fusion using heated tools and for use with electro fusion fittings', for the supply of gaseous fuels for nominal outside diameters ranging from 16 mm to 125 mm with SDR 11 and SDR 17.6. Material grades PE 80 and PE 100, pressures 5.5 bar (*see* Note) and 7 bars and operating temperatures from − 5°C to 40°C.

NOTE — 1 bar = 10^5 N/m^2 = 0.1 MPa.

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:

IS No.	Title
2530 : 1963	Methods of test for polyethylene moulding materials and polyethylene compound
7328 : 1992	High density polyethylene materials for moulding and extrusion — Specification (*first revision*)
14885 : 2001	Polyethylene pipes for the supply of gaseous fuels — Specification
15927 (Part 2) : 2010	Polyethylene fittings for use with polyethylene pipes for the supply of gaseous fuels — Specification: Part 2 Spigot fittings for butt fusion, for socket fusion using heated tools and for use with electro fusion fittings