

Plastics piping systems — Valves for polyethylene (PE) piping systems — Test method for leaktightness under and after bending applied to the operating mechanism

The European Standard EN 1680 : 1997 has the status of a
British Standard

ICS 23.060.01

Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee PRI/61, Plastics piping systems and components, upon which the following bodies were represented:

- British Gas plc
- British Plastics Federation
- British Plumbing Fittings Manufacturers' Association
- British Valve and Acuator Manufacturers' Association
- Chartered Institution of Water and Environment Management
- Department of the Environment (British Board of Agrèment)
- Department of the Environment (Building Research Establishment)
- Department of Transport
- Electricity Association
- Health and Safety Executive
- Institute of Building Control
- Institute of Materials
- Institution of Civil Engineers
- Institution of Gas Engineers
- National Association of Plumbing, Heating and Mechanical Services Contractors
- Pipeline Industries Guild
- Plastics Land Drainage Manufacturers' Association
- Society of British Gas Industries
- Society of British Water Industries
- Water Companies Association
- Water Services Association of England and Wales

The following bodies were also represented in the drafting of this standard, through subcommittees and panels:

- ERA Technology Ltd.
- Engineering Equipment and Materials Users' Association
- RAPRA Technology Ltd.

This British Standard, having been prepared under the direction of the Sector Board for Materials and Chemicals, was published under the authority of the Standards Board and comes into effect on 15 July 1997

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Amendments issued since publication

Amd. No.	Date	Text affected

The following BSI references relate to the work on this standard:
Committee reference PRI/61
Draft for comment 95/121246 DC

ISBN 0 580 27394 6

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National foreword

This British Standard has been prepared by Technical Committee PRI/61 and is the English language version of EN 1680 : 1997 *Plastics piping systems — Valves for polyethylene (PE) piping systems — Test method for leaktightness under and after bending applied to the operating mechanism*, published by the European Committee for Standardization (CEN).

It is incorporated into BS 2782 *Methods of testing plastics : Part 11 : Thermoplastics pipes, fittings and valves* as Method 1133A : 1997, for association with related test methods for plastics materials and plastics piping components.

This test method has been prepared for reference by other standards under preparation by CEN for specification of plastics piping and ducting systems and components. It has been implemented to enable experience of the method to be gained and for use for other fresh applications.

It is also for use for the revision or amendment of other national standards as practicable, but it should not be presumed to apply to any existing standard or specification which contains or makes reference to a different test method until that standard/specification has been amended or revised to make reference to this method and adjust any requirements as appropriate.

Cross-references

Publication referred to	Corresponding British Standard
EN 837-1 : 1996 (see note 2)	BS EN 837 <i>Pressure gauges — Part 1 : 1997 Bourdon tube pressure gauges — Dimensions, metrology, requirements and tests</i>
ISO 4065	BS ISO 4065 : 1997 <i>Thermoplastics pipes — Universal wall thickness table</i>
ISO 11413	BS 2782 <i>Methods of testing plastics — Part 11: Thermoplastics pipes, fittings and valves — Method 1150E : 1997 Plastics pipes and fittings — Preparation of test piece assemblies between a polyethylene (PE) pipe and an electrofusion fitting</i>
ISO 11414	Method 1130B : 1997 ¹⁾ <i>Plastics pipes and fittings — Preparation of test piece assemblies between pipe/pipe or pipe/fitting in polyethylene (PE) by butt fusion</i>

NOTE 1. In the descriptors, the term ‘driving squares’ is irrelevant: it appears to be a mistranslation of a French descriptor for ‘closing torque’. The term ‘cocks’ should be read as ‘valves’.

NOTE 2. In clause 2, for EN 837-1 the reference to 1994 appears to correspond to the issue of prEN 837-1.

NOTE 3. In 5.2, reference has been introduced to the ‘same classification system’ of the pipes and the valve, without reference to the basis thereof. Technical Committee PRI/61 considers this to be a reference to the material classification number according to EN ISO 12162 : 1995 (≡ BS EN ISO 12162 : 1996 and BS 2782 : Part 11 : Method 1121 : 1996)

NOTE 4. In 6.2.2, reference has been introduced to the acronym ‘MOP’, without reference to the basis thereof. Technical Committee PRI/61 considers this to be a reference to ‘maximum operating pressure (MOP)’ according to prEN 12008-1 *Specific functional recommendations for PE systems — MOP ≤ 10 bar* and that otherwise the relevant MOP has to be identified by the standard making reference to this standard as though this was a further item in the list in the note which follows clause 3, to support 6.2.2.

Warning note. This British Standard, which is identical with EN 1680 : 1997, does not necessarily detail all the precautions necessary to meet the requirements of the Health and Safety at Work etc. Act 1974. Attention should be paid to any appropriate safety precautions and the method should be operated only by trained personnel.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

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¹⁾ Under preparation.