

Plastics piping systems — Polyethylene (PE) valves — Test method for resistance to bending between supports

The European Standard EN 12100 : 1997 has the status of a
British Standard

ICS 23.060.01

National foreword

This British Standard is the English language version of EN 12100 : 1997 published by the European Committee for Standardization (CEN).

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

The UK participation in its preparation was entrusted to Technical Committee PRI/61, Plastics piping systems and components, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

The responsible UK Technical Committee considers that it is necessary to clarify the combination of figure 1 and the text of sub-clause 6.1 in respect of

- a) the orientation of figure 1;
- b) whether and how compensation should be made to the force to be applied in accordance with 6.3 in any arrangement where the weight of the test piece would interact with the specified force.

With the operating member now shown in figure 1, vertical and opposite the point of application of the force as required by 6.1.1 in conjunction with a reference to the figure, together with the instruction in 6.1.4 to place the test piece on the supports S the UK Technical Committee has concluded that for consistency, figure 1 should be regarded as though it is an elevation view with the downward direction towards the top of the page.

In this condition, the UK Technical Committee considers that the force should be applied at the value specified in accordance with 6.3.1 and item c) of the note to clause 3, with the effect of the weight of the test piece incidentally supplementing that of the applied force.

The UK Technical Committee considers that figure 1 should not be presumed to represent an elevation view with the force applied upwards and the test piece restrained by overhead supports, because the effect of the weight of the test piece would then oppose the applied force and undermine the rigour of the test, as well as being inconsistent with 6.1.4.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled 'International Standards Correspondence Index', or by using the 'Find' facility of the BSI Standards Electronic Catalogue.

Warning note. This British Standard, which is identical with EN 12100 : 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 test methods should be operated only by trained personnel.

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

Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 4, an inside back cover and a back cover.

Amendments issued since publication

Amd. No.	Date	Text affected

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 February 1998