BRITISH STANDARD

BS EN ISO
580:2005

Plastics piping and ducting systems — Injection-moulded thermoplastics fittings — Methods for visually assessing the effects of heating

The European Standard EN ISO 580:2005 has the status of a British Standard

ICS 23.040.45

BSI
British Standards

National foreword

This British Standard is the official English language version of EN ISO 580:2005. It is identical with ISO 580:2005. It supersedes BS EN 763:1995 which is withdrawn.

The UK participation in its preparation was entrusted by Technical Committee PRI/88, Plastic piping systems, to Subcommittee PRI/88/4, Method of tests for plastic 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 UK interests informed;

— monitor related international and European developments and promulgate them in the UK.

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

The principal changes with respect to BS EN 763:1995 are as follows:

a) the standard is not restricted to PVC-U fittings but covers thermoplastics fittings manufactured from ABS, PE, PP, PVC-U, PVC-C and SAN+PVC;

b) in the absence of guidance from the referring standard, heating time and temperature test parameters are specified in Table 1 for all materials. The relationship between heating time and fitting wall thickness is maintained as previously standardized but the test temperature is dependent upon the material; a temperature of 110 °C is specified for PE and 150 °C for ABS, PP, PVC-U, PVC-C and SAN+PVC;

c) the procedure, described in **4.3.5**, for cutting the test piece for examination after heating is more detailed by virtue of the specification of the minimum number of cuts dependent on the diameter of the test piece;

d) in the absence of guidance from the referring standard, the procedure for the examination for defects in the gating area (**4.3.6**) has been enhanced by specific reference to Figure 1 where gating area is defined dimensionally;

e) the liquid used in the liquid bath immersion technique remains unspecified but guidance in the form of a note is given in **5.1.1** regarding the suitability of some liquids in terms of safety or health hazards and possible adverse effects on the material tested.

Cross-references

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Summary of pages

This document comprises a front cover, an inside front cover, the EN ISO title page, the EN ISO foreword page, the ISO title page, pages ii to iv, pages 1 to 6, an inside back cover and a back cover.

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Amendments issued since publication

Amd. No.	Date	Comments

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 14 November 2005

ISBN 0 580 47237 X

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 580

February 2005

ICS 23.040.45

Supersedes EN 763:1994

English version

Plastics piping and ducting systems - Injection-moulded thermoplastics fittings - Methods for visually assessing the effects of heating (ISO 580:2005)

Systèmes de canalisations et de gaines en plastiques - Raccords thermoplastiques moulés par injection - Méthodes d'essai pour estimer visuellement les effets de la chaleur (ISO 580:2005)

Kunststoff-Rohrleitungs- und Schutzrohrsysteme- Spritzguss-Formstücke aus Thermoplasten - Verfahren für die visuelle Beurteilung der Einflüsse durch Warmlagerung (ISO 580:2005)

This European Standard was approved by CEN on 21 January 2005.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

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Ref. No. EN ISO 580:2005: E