

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

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 It supersedes BS EN 763:1995 which is withdrawn.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.

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Summary of pages

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Amendments issued since publication

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