

Imperfections in thermoplastic welds - Classification

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 14728:2005 sisaldab Euroopa standardi EN 14728:2005 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 22.06.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 14728:2005 consists of the English text of the European standard EN 14728:2005.</p> <p>This document is endorsed on 22.06.2005 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala: This standard provides a classification and a description of imperfections likely to be encountered in thermoplastic welded joints</p>	<p>Scope: This document specifies a classification and a description of imperfections likely to be encountered in thermoplastic welded joints.</p>
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English version

Imperfections in thermoplastic welds - Classification

Défauts dans les assemblages soudés en
thermoplastiques - Classification

Unregelmäßigkeiten an Schweißverbindungen von
thermoplastischen Kunststoffen - Einteilung

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

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Foreword

This document (EN 14728:2005) has been prepared by Technical Committee CEN/TC 249 "Plastics", the secretariat of which is held by IBN/BIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2005, and conflicting national standards shall be withdrawn at the latest by November 2005.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

1 Scope

This document specifies a classification and a description of imperfections likely to be encountered in thermoplastic welded joints.

This document applies to the following welding processes:

- heated tool welding;
- electrofusion welding;
- hot gas welding;
- extrusion welding.

This document applies to the following group of materials:

- PVC-C;
- PVC-U including PVC-NI, PVC-RI, PVC-HI;
- PP including PP-B, PP-H, PP-R;
- PE;
- PVDF;
- ECTFE;
- FEP;
- PFA.

This document is not concerned with the search for the possible influence of these defects on the behaviour of joints in relation to the different types of stress to which the latter may be subjected or on method for preventing such defects.

It cannot therefore be used for the acceptance of welds which is defined in quality level standards (see [1]).

Only defects giving rise to discontinuities of materials or changes in shape are taken into consideration in this document, specifying their type, their shape and their positions, without however always indicating their origin or their causes.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

CEN ISO/TS 17845, *Welding and allied processes — Designation system for imperfections (ISO/TS 17845:2004)*