

Liimid. Peamiste kahjustuspiltide määramine

Adhesives - Designation of main failure patterns

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 10365:2000 sisaldab Euroopa standardi EN ISO 10365:1995 ingliskeelset teksti.

Käesolev dokument on jõustatud 11.01.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN ISO 10365:2000 consists of the English text of the European standard EN ISO 10365:1995.

This document is endorsed on 11.01.2000 with the notification being published in the official publication of the Estonian national standardisation organisation.

The standard is available from Estonian standardisation organisation.

Käsitlusala:

See standard määrab kindlaks liimühenduste peamiste kahjustuspiltide tüübid ja selgitab diagrammide varal nende esinemist. Seda standardit saab kohaldada kõigile mehaanilistele katsetele, mis tehakse liimühendustega, hoolimata substraatide iseloomust ja liimist, mis moodustab liimühenduse.

Scope:

ICS 83.180

Võtmesõnad: kahjustus, katse tulemus, liimid, liimühendused, plastid, tähistamine

ICS 83.180

Descriptors: Adhesives, bonded joints, failure patterns.

English version

Adhesives

**Designation of main failure patterns
(ISO 10365:1992)**

Adhésifs; désignation des principaux
faciès de rupture (ISO 10365:1992)

Klebstoffe; Bezeichnung der wichtigsten
Bruchbilder (ISO 10365:1992)

This European Standard was approved by CEN on 1995-05-11 and is identical to the ISO Standard as referred to.

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.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

Foreword

International Standard

ISO 10365:1992 Adhesives; designation of main failure patterns,

which was prepared by ISO/TC 61 'Plastics' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 193 'Adhesives' as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by December 1995 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard:

Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and United Kingdom.

Endorsement notice

The text of the International Standard ISO 10365:1992 was approved by CEN as a European Standard without any modification.

1 Scope

This International Standard specifies the designations for the main types of failure pattern of bonded assemblies and illustrates, through diagrams, their respective appearances.

It applies to all mechanical tests performed on a bonded assembly, regardless of the nature of the adherends and adhesive which make up the assembly.

2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 472:1988, *Plastics — Vocabulary*.

3 Definitions

For the purposes of this International Standard, the following definitions, taken from ISO 472:1988, apply.

3.1 assembly (for adhesives): A group of materials or parts, including adhesive, which have been placed together for bonding or which have been bonded together.

3.2 adhesion failure; adhesive failure: Rupture of an adhesive bond in which the separation appears visually to be at the adhesive/adherend interface.

3.3 cohesion failure; cohesive failure: Rupture of a bonded assembly in which the separation appears visually to be in the adhesive or the adherend.

4 Application

The designation of the failure patterns is provided to classify failures in order to understand better the result of any mechanical test of adhesion on a bonded assembly, which is usually expressed by quantitative measured values.

The failure patterns are designated in accordance with the illustrations in table 1.