
Lepila - Označevanje glavnih načinov porušitev (ISO/DIS 10365:2020)

Adhesives - Designation of main failure patterns (ISO/DIS 10365:2020)

Klebstoffe - Bezeichnung der wichtigsten Bruchbilder (ISO/DIS 10365:2020)

Adhésifs - Désignation des principaux faciès de rupture (ISO/DIS 10365:2020)

Ta slovenski standard je istoveten z: prEN ISO 10365

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ICS:

83.180 Lepila Adhesives

oSIST prEN ISO 10365:2020 **en,fr,de**

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DRAFT INTERNATIONAL STANDARD

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Adhesives — Designation of main failure patterns

Adhésifs — Désignation des principaux faciès de rupture

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ISO/CEN PARALLEL PROCESSING



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ISO/DIS 10365:2020(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 11, *Products*.

This second edition cancels and replaces the second edition (ISO 10365:1992), which has been technically revised.

The main changes compared to the previous edition are as follows:

- Failure with stress whitening of adhesive (SWCF) added;
- Debonding due to bondline corrosion (COR) added;

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Adhesives — Designation of main failure patterns

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 references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

ISO 472:1988, *Plastics — Vocabulary*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 472:1988 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

3.1

assembly

<for adhesives> a group of materials or park, 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](#).