

Liimid. Jäik jäigal ülestikku liimühendusel nihketugevuse määramine tõmbel

Adhesives - Determination of tensile lap-shear
strength of rigid-to-rigid bonded assemblies

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 1465:2000 sisaldab Euroopa standardi EN 1465:1994 ingliskeelset teksti.	This Estonian standard EVS-EN 1465:2000 consists of the English text of the European standard EN 1465:1994.
Käesolev dokument on jõustatud 11.01.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.	This document is endorsed on 11.01.2000 with the notification being published in the official publication of the Estonian national standardisation organisation.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

Käsitlusala: See Euroopa standard määrab kindlaks meetodi jäik jäigal ülestikku liimühendusel nihketugevuse määramiseks tõmbeteimil, mis tehakse standardse teimikehaga spetsiaalsetel ettevalmistus- ning teimitingimustel.	Scope:
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ICS 83.180

Võtmesõnad: liimid, liimühendused, nakketeimid, nihke mõõtmise teimid, plastid, teimid, tõmbeteimid

ICS 83.180

Descriptors: Adhesive, testing, bonded assembly.

English version

Adhesives

Determination of tensile lap-shear strength of
rigid-to-rigid bonded assemblies
(ISO 4587:1979, modified)

Adhésifs; détermination de la résistance
au cisaillement d'assemblage rigide-
rigide, collés à recouvrement simple
(ISO 4587:1979, modifiée)

Klebstoffe; Bestimmung der
Zugscherfestigkeit hochfester
Überlappungsklebungen
(ISO 4587:1979, modifiziert)

This European Standard was approved by CEN on 1994-11-08.

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

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 193 'Adhesives', the Secretariat of which is held by AFNOR.

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 May 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.

1 Scope

This European Standard specifies a method for determining the tensile lap-shear strength of rigid-to-rigid bonded assemblies when tested on a standard specimen and under specified conditions of preparation and testing.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

ISO 291	1977	Plastics - Standard atmospheres for conditioning and testing
ISO 527-1		Plastics - Determination of tensile properties - Part 1 : General principles ¹⁾
ISO 3534	1977	Statistics - Vocabulary and symbols
ISO 4588		Adhesives - Preparation of metal surfaces for adhesive bonding ²⁾
ISO 10365	1992	Adhesives - Designation of main failure patterns

3 Principle

Adhesive lap-shear bond strength is determined by stressing in shear of a single overlap joint (see figure 1) between rigid adherends by applying to the adherends a tensile force which is parallel to the bond area and to the major axis of the specimen. The reported result is the observed force or stress at rupture.

¹⁾ At present at the stage of draft International Standard (Revision of ISO/R 527-1:1966).

²⁾ Revision in progress.