

Liimid. Isotsüanaadi sisalduse määramine

Adhesives - Determination of isocyanate content

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 1242:2005 sisaldab Euroopa standardi EN 1242:2005 ingliskeelset teksti.	This Estonian standard EVS-EN 1242:2005 consists of the English text of the European standard EN 1242:2005.
Käesolev dokument on jõustatud 28.12.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.	This document is endorsed on 28.12.2005 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 standard määrab kindlaks liimides, liimi komponentides, nende põhimaterjalides pinnakaitseüsteemides ja nendega seotud toodetes vaba isotsüanaatrühmade sisalduse määramise meetodi. See meetod on kasutatav ka hüdroksüüljarvu ja/või hüdroksüülrühmade sisalduse määramiseks betooni kaitseüsteemides. Meetodit ei saa rakendada toodete puhul, mis sisaldavad blokeeritud isotsüanaatrühmi, mis võivad vabaneda katsetamisel kasutatavatest reaktiividest.	Scope: This European Standard specifies a method for the determination of the isocyanate content of adhesives, adhesive components and their basic constituents.
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ICS 83.180

Võtmesõnad: isotsüanaadid, keemilised katsed, komponendid, liimid, menetlus, sisalduse määramine

English Version

Adhesives - Determination of isocyanate content

Adhésifs - Détermination de la teneur en isocyanate

Klebstoffe - Bestimmung des Isocyanatgehaltes

This European Standard was approved by CEN on 26 September 2005.

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, 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.



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Foreword

This European Standard (EN 1242:2005) has been prepared by Technical Committee CEN/TC 193 “Adhesives”, the secretariat of which is held by AENOR.

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 April 2006, and conflicting national standards shall be withdrawn at the latest by April 2006.

This European Standard supersedes EN 1242:1998.

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 European Standard specifies a method for the determination of the isocyanate content of adhesives, adhesive components and their basic constituents.

It is not applicable to products containing blocked isocyanate groups which can be liberated by the reagents used in this test method.

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.

EN 923:2005, *Adhesives - Terms and definitions*

EN 1067, *Adhesives - Examination and preparation of samples for testing*

EN ISO 1042, *Laboratory glassware - One-mark volumetric flasks (ISO 1042:1998)*

EN ISO 15605, *Adhesives - Sampling (ISO 15605:2000)*

ISO 385, *Laboratory glassware - Burettes*

ISO 648, *Laboratory glassware - One-mark pipettes*

3 Terms and definitions

For the purposes of this European Standard, the terms and definitions given in EN 923:2005 and the following apply.

3.1

isocyanate content

percentage (mass/mass) of isocyanate groups (-NCO) in the product under test

4 Principle

A weighed quantity of product is converted in presence of an excess of dibutyl amine dissolved in toluene or another solvent forming urethanes. The unreacted dibutyl amine is backtitrated with hydrochloric acid, in the presence of a colour indicator or potentiometrically.

5 Safety

Persons using this standard shall be familiar with normal laboratory practice.

This standard does not purport to address all safety problems, if any, associated with its use.

It is the responsibility of the user to establish appropriate safety and health practices and to ensure compliance with any European and national regulatory conditions.