

SLOVENSKI STANDARD SIST EN ISO 10283:2007

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Binders for paints and varnishes - Determination of monomeric diisocyanates in isocyanate resins (ISO 10283:2007)

Bindemittel für Beschichtungsstoffe Bestimmung von monomeren Diisocyanaten in Isocyanatharzen (ISO 10283:2007) (standards.iteh.ai)

Liants pour peintures et vernis - Détermination des diisocyanates monomeres dans les résines isocyanates (150a10283:2007) log/standards/sist/40304e9c-1b75-408b-8dc2-4325d034d863/sist-en-iso-10283-2007

Ta slovenski standard je istoveten z: EN ISO 10283:2007

ICS:

87.060.20 Veziva Binders

SIST EN ISO 10283:2007 en,fr,de

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 10283

September 2007

ICS 87.060.20

English Version

Binders for paints and varnishes - Determination of monomeric diisocyanates in isocyanate resins (ISO 10283:2007)

Liants pour peintures et vernis - Détermination des diisocyanates monomères dans les résines isocyanates (ISO 10283:2007)

Bindemittel für Beschichtungsstoffe - Bestimmung von monomeren Diisocyanaten in Isocyanatharzen (ISO 10283:2007)

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EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents	Page
Foreword	3

iTeh STANDARD PREVIEW (standards.iteh.ai)

Foreword

This document (EN ISO 10283:2007) has been prepared by Technical Committee ISO/TC 35 "Paints and varnishes" in collaboration with Technical Committee CEN/TC 139 "Paints and varnishes", the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by March 2008, and conflicting national standards shall be withdrawn at the latest by March 2008.

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

Endorsement notice

The text of ISO 10283:2007 has been approved by CEN as a EN ISO 10283:2007 without any modification.

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INTERNATIONAL STANDARD

ISO 10283

Second edition 2007-09-01

Binders for paints and varnishes — Determination of monomeric diisocyanates in isocyanate resins

Liants pour peintures et vernis — Détermination des diisocyanates monomères dans les résines isocyanates

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Contents Page Forewordiv Introductionv 1 Scope 1 2 3 4 5 6 7 8 8.1 8.2 Column conditioning 8 8.3 Gas-chromatographic determination...... 8 Expression of results STANDARD PREVIEW 9 9 Determination of calibration factor 9 9.1 Calculation of the monomeric disocyanate content 21. 9.2 10 Precision 9

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11

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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 10283 was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Subcommittee SC 10, *Test methods for binders for paints and varnishes*.

This second edition cancels and replaces the first edition (ISO 10283:1997), in which the normative references clause has been updated. (standards.iteh.ai)

Introduction

It is well-known fact that, due to the production methods used, all the commercial isocyanate resins named in this standard contain a certain amount of volatile monomeric isocyanates. This amount is generally less than 0,5 % relative to the resin as supplied. In view of the regulations relating to the handling of hazardous substances, it has become a matter of special concern that a generally accepted and applicable method of determination should be available. This standard is not intended to present a method suitable for the analytical determination of volatile isocyanates in any form and in any quantity. The standard specifies a method confined to determining the amounts of volatile isocyanates which occur in practice in isocyanate resins, namely about 0,1 % to 0,4 %. A further objective of the standard was to develop a method for determining with adequate accuracy as many as possible of the monomeric isocyanates which occur in isocyanate resins. It detects the principle isocyanates, namely toluene diisocyanate (TDI), hexamethylene diisocyanate (HDI), diphenylmethane diisocyanate (MDI) and isophorone diisocyanate (IPDI), and is a method considered by industry, authorities and institutes alike to be the state of the art.

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