This is a free page sample. Access the full version online.

NSAI Standards

Irish Standard
I.S. EN ISO 2114:2000

Plastics (polyester resins) and paints and varnishes (binders) - Determination of partial acid value and total acid value (ISO 2114:2000)

© NSAI 2000 No copying without NSAI permission except as permitted by copyright law.

This is a free page sample. Access the full version online.

I.S. EN ISO 2114:2000

Incorporating amendments/corrigenda/National Annexes issued since publication:
EN ISO 2114:2000/AC:2005

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard – national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation - recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

This document replaces:	*This document is based on:*	*Published:*
I.S./EN ISO 2114:1997, EN ISO 3682:1998	EN ISO 2114:2000	1 August, 2000

This document was published under the authority of the NSAI and comes into effect on: 2 November, 2000	ICS number: 83.080.10

NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

This is a free page sample. Access the full version online.

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 2114:2000/AC

October 2005
Octobre 2005
Oktober 2005

ICS 83.080.10

English version
Version Française
Deutsche Fassung

Plastics (polyester resins) and paints and varnishes (binders) - Determination of partial acid value and total acid value (ISO 2114:2000)

Plastiques (résines de polyesters) et peintures et vernis (liants) -Détermination de l'indice d'acide partiel et de l'indice d'acide total (ISO 2114:2000)

Kunststoffe (Polyester) und Beschichtungsstoffe (Bindemittel) - Bestimmung der partiellen Säurezahl und der Gesamtsäurezahl (ISO 2114:2000)

This corrigendum becomes effective on 5 October 2005 for incorporation in the three official language versions of the EN.

Ce corrigendum prendra effet le 5 octobre 2005 pour incorporation dans les trois versions linguistiques officielles de la EN.

Die Berichtigung tritt am 5.Oktober 2005 zur Einarbeitung in die drei offiziellen Sprachfassungen der EN in Kraft.

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

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

© 2005 CEN All rights of exploitation in any form and by any means reserved worldwide for CEN national Members.
Tous droits d'exploitation sous quelque forme et de quelque manière que ce soit réservés dans le monde entier aux membres nationaux du CEN.
Alle Rechte der Verwertung, gleich in welcher Form und in welchem Verfahren, sind weltweit den nationalen Mitgliedern von CEN vorbehalten.

Ref. No.:EN ISO 2114:2000/AC:2005 D/E/F

This is a free page sample. Access the full version online.

English version

The superseding note shall be modified as follows:

On the title page
Supersedes EN ISO 2114:1996, EN ISO 3682:1998

In the foreword
This document Supersedes EN ISO 2114:1996 and EN ISO 3682:1998.

Version française

La mention de remplacement doit être modifiée comme suit:

Sur la page de titre
Remplace EN ISO 2114:1996, EN ISO 3682:1998

Dans l'avant-propos
Le présent document remplace l'EN ISO 2114:1996 et l'EN ISO 3682:1998.

Deutsche Fassung

Der Ersatzvermerk muss wie folgt modifiziert werden:

Auf der Titelseite:
Ersatz für EN ISO 2114:1996, EN ISO 3682:1998

This is a free page sample. Access the full version online.

I.S. EN ISO 2114:2000

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 2114

August 2000

ICS 83.080.10

Supersedes EN ISO 2114:1996

English version

Plastics (polyester resins) and paints and varnishes (binders) - Determination of partial acid value and total acid value (ISO 2114:2000)

Plastiques (résines de polyesters) et peintures et vernis (liants) - Détermination de l'indice d'acide partiel et de l'indice d'acide total (ISO 2114:2000)

Kunststoffe (Polyester) und Beschichtungsstoffe (Bindemittel) - Bestimmung der partiellen Säurezahl und der Gesamtsäurezahl (ISO 2114:2000)

This European Standard was approved by CEN on 1 August 2000.

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

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

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

© 2000 CEN All rights of exploitation in any form and by any means reserved worldwide for CEN national Members.

Ref. No. EN ISO 2114:2000 E

This is a free page sample. Access the full version online.

Foreword

The text of the International Standard ISO 2114:2000 has been prepared by Technical Committee ISO/TC 61 "Plastics" in collaboration with Technical Committee CEN/TC 249 "Plastics", the secretariat of which is held by IBN.

This European Standard supersedes EN ISO 2114:1996.

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 February 2001, and conflicting national standards shall be withdrawn at the latest by February 2001.

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

NOTE FROM CEN/CS: The foreword is susceptible to be amended on reception of the German language version. The confirmed or amended foreword, and when appropriate, the normative annex ZA for the references to international publications with their relevant European publications will be circulated with the German version.

Endorsement notice

The text of the International Standard ISO 2114:2000 was approved by CEN as a European Standard without any modification.

This is a free page sample. Access the full version online.

I.S. EN ISO 2114:2000

INTERNATIONAL STANDARD

ISO 2114

Third edition
2000-08-01

Plastics (polyester resins) and paints and varnishes (binders) — Determination of partial acid value and total acid value

Plastiques (résines de polyesters) et peintures et vernis (liants) — Détermination de l'indice d'acide partiel et de l'indice d'acide total

Reference number
ISO 2114:2000(E)

© ISO 2000

This is a free page sample. Access the full version online.

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

© ISO 2000

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.ch
Web www.iso.ch

Printed in Switzerland

This is a free page sample. Access the full version online.

Contents

Page

Foreword ..... **iv**

1 Scope **1**

2 Normative references **1**

3 Terms and definitions **1**

4 Principle **2**

5 Reagents **2**

6 Apparatus **3**

7 Procedure **4**

8 Calculation and expression of results **6**

9 Precision **7**

10 Test report **8**

Annex A (informative) **Checking the concentration of the standard potassium hydroxide solution** **9**

© ISO 2000 – All rights reserved

This is a free page sample. Access the full version online.

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 3.

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 International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 2114 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 12, *Thermosetting materials*.

This third edition cancels and replaces the second edition (ISO 2114:1996) as well as ISO 3682:1996, which have been technically revised.

© ISO 2000 – All rights reserved

This is a free page sample. Access the full version online.

Plastics (polyester resins) and paints and varnishes (binders) — Determination of partial acid value and total acid value

1 Scope

This International Standard specifies methods of determining the partial acid value (method A) and the total acid value (method B) of polyester resins and binders for paints and varnishes. It is not applicable to phenolic resins.

It is intended to provide quality-control data for the acceptance or rejection of such products in accordance with the terms of a specification, as well as to be used in research and development to monitor the completion of the polycondensation reaction.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 385-1:1984, *Laboratory glassware — Burettes — Part 1: General requirements*.

ISO 3251:1993, *Paints and varnishes — Determination of non-volatile matter of paints, varnishes and binders for paints and varnishes*.

ISO 3696:1987, *Water for analytical laboratory use — Specification and test methods*.

ISO 6353-2:1983, *Reagents for chemical analysis — Part 2: Specifications — First series*.

3 Terms and definitions

For the purposes of this International Standard, the following terms and definitions apply.

3.1
acid value
the number of milligrams of potassium hydroxide (KOH) required to neutralize 1 g of resin under the test conditions

3.2
partial acid value
acid value corresponding to the neutralization of all the carboxyl-terminated groups and free acids plus half the free anhydrides in a resin

3.3
total acid value
acid value corresponding to the neutralization of all the carboxyl-terminated groups and free acids plus all the free anhydrides in a resin

© ISO 2000 – All rights reserved

SAI GLOBAL

This is a free preview. Purchase the entire publication at the link below:

Product Page

Looking for additional Standards? Visit Intertek Inform Infostore

Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation