

ISO/FDIS 182-3:2023(E)

Second edition

2023-12

[ISO/TC 61/SC 9](#)

[Secretariat: KATS](#)

[Date: 2025-07-03](#)

Plastics— Determination of the tendency of compounds and products based on vinyl chloride homopolymers and copolymers to evolve hydrogen chloride and any other acidic products at elevated temperatures—

iTeh Standards
<https://standards.iteh.ai>
Document Preview

Part-3:
Conductometric method

[ISO/FDIS 182-3](#)

<https://standards.iteh.ai/reading/standards/iso/f7fc811f-94c2-4947-a656-ba678d74ec57/iso-fdis-182-3>

Plastiques— Détermination de la tendance des compositions et produits à base d'homopolymères et de copolymères du chlorure de vinyle à dégager du chlorure d'hydrogène et éventuellement d'autres produits acides à températures élevées —

Partie-3: Méthode conductimétrique

FDIS stage

© ISO 20232025

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: + 41 22 749 01 11
E-mail: copyright@iso.org
Website: www.iso.org

Published in Switzerland

iTeh Standards

(<https://standards.iteh.ai>)

Document Preview

[ISO/FDIS 182-3](#)

<https://standards.iteh.ai/catalog/standards/iso/f7fc811f-94c2-4947-a656-ba678d74ec57/iso-fdis-182-3>

Contents

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Principle	2
5 Reagents	2
6 Apparatus	2
7 Preparation of test samples	7
7.1 General	7
7.2 PVC plastisols	7
7.3 PVC pellets, extrudates, mouldings, thick sheet, etc.	7
7.4 PVC film and sheet	7
7.5 PVC coatings	7
7.6 Cable and conductor insulation or sheathing	7
8 Number of tests	7
9 Temperatures for dehydrochlorination	7
10 Test procedure	8
10.1 Preparation of test portion	8
10.2 Preliminary operations	8
10.3 Special precautions when using dehydrochlorination cell A	8
10.4 Preparation of the measurement cell	8
10.5 Decomposition of the test portion	8
11 Expression of results	9
12 Test report	9
13 Precision	9
13.1 General	9
13.2 Repeatability	10
13.3 Reproducibility	10
13.4 Comparison with the pH-meter method (ISO 182-2)	10
13.5 Factors affecting the stability time	10
13.6 Conclusions	12
Annex A (informative) Cleaning of the apparatus	13
Annex B (informative) Calculation of repeatability and reproducibility — Conductometric and pH-meter methods	14
Annex C (informative) Interlaboratory test	16
Bibliography	18

Foreword	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	2

4 Principle	2
5 Reagents	2
6 Apparatus	2
7 Preparation of test samples	10
8 Number of tests	11
9 Temperatures for dehydrochlorination	11
10 Test procedure	11
11 Expression of results	12
12 Test report	12
13 Precision	13
Annex A (informative) Cleaning of the apparatus.	17
Annex B (informative) Calculation of repeatability and reproducibility — Conductometric and pH-meter methods	18
Annex C (informative) Interlaboratory test	20
Bibliography	22

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[ISO/FDIS 182-3](#)

<https://standards.iteh.ai/catalog/standards/iso/f7fc811f-94c2-4947-a656-ba678d74ec57/iso-fdis-182-3>