
Polimerni materiali - Ugotavljanje viskoznosti polimerov v razredčenih raztopinah s kapilarnimi viskozimetri - 5. del: Plastomerni poliestri (TP) homo- in kopolimerov (ISO 1628-5:1998)

Plastics - Determination of the viscosity of polymers in dilute solution using capillary viscometers - Part 5: Thermoplastic polyester (TP) homopolymers and copolymers (ISO 1628-5:1998)

Kunststoffe - Bestimmung der Viskosität von Polymeren in verdünnter Lösung durch ein Kapillarviskosimeter - Teil 5: Thermoplastische Polyester (TP) Homopolymere und Copolymere (ISO 1628-5:1998)

Plastiques - Détermination de la viscosité des polymères en solution diluée à l'aide de viscosimètres à capillaires - Partie 5: Homopolymères et copolymères des polyesters thermoplastiques (TP) (ISO 1628-5:1998)

Ta slovenski standard je istoveten z: EN ISO 1628-5:2015

ICS:

83.080.20 Plastomeri Thermoplastic materials

SIST EN ISO 1628-5:2015 **en,de**

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 1628-5:2015](#)

<https://standards.iteh.ai/catalog/standards/sist/5bc367f2-99c1-4f19-9590-17886c0c2882/sist-en-iso-1628-5-2015>

EUROPEAN STANDARD

EN ISO 1628-5

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2015

ICS 83.080.20

English Version

Plastics - Determination of the viscosity of polymers in dilute solution using capillary viscometers - Part 5: Thermoplastic polyester (TP) homopolymers and copolymers (ISO 1628-5:1998)

Plastiques - Détermination de la viscosité des polymères en solution diluée à l'aide de viscosimètres à capillaires - Partie 5: Homopolymères et copolymères des polyesters thermoplastiques (TP) (ISO 1628-5:1998)

Kunststoffe - Bestimmung der Viskosität von Polymeren in verdünnter Lösung durch ein Kapillarviscosimeter - Teil 5: Thermoplastische Polyester(TP) Homopolymere und Copolymere (ISO 1628-5:1998)

This European Standard was approved by CEN on 1 March 2015.

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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

[SIST EN ISO 1628-5:2015](https://standards.iteh.ai/catalog/standards/sist/5bc3672-99c1-4d19-9590-sist-en-iso-1628-5-2015)

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

Foreword.....3

**iTeh STANDARD PREVIEW
(standards.iteh.ai)**

[SIST EN ISO 1628-5:2015](https://standards.iteh.ai/catalog/standards/sist/5bc367f2-99c1-4f19-9590-17886c0c2882/sist-en-iso-1628-5-2015)

<https://standards.iteh.ai/catalog/standards/sist/5bc367f2-99c1-4f19-9590-17886c0c2882/sist-en-iso-1628-5-2015>

Foreword

The text of ISO 1628-5:1998 has been prepared by Technical Committee ISO/TC 61 "Plastics" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 1628-5:2015 by Technical Committee CEN/TC 249 "Plastics" the secretariat of which is held by NBN.

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 September 2015, and conflicting national standards shall be withdrawn at the latest by September 2015.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

iTeh STANDARD PREVIEW
(standards.iteh.ai)

The text of ISO 1628-5:1998 has been approved by CEN as EN ISO 1628-5:2015 without any modification.

[SIST EN ISO 1628-5:2015](https://standards.iteh.ai/catalog/standards/sist/5bc367f2-99c1-4f19-9590-17886c0c2882/sist-en-iso-1628-5-2015)

<https://standards.iteh.ai/catalog/standards/sist/5bc367f2-99c1-4f19-9590-17886c0c2882/sist-en-iso-1628-5-2015>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 1628-5:2015](#)

<https://standards.iteh.ai/catalog/standards/sist/5bc367f2-99c1-4f19-9590-17886c0c2882/sist-en-iso-1628-5-2015>

INTERNATIONAL
STANDARDISO
1628-5Second edition
1998-03-15

**Plastics — Determination of the viscosity of
polymers in dilute solution using capillary
viscometers —****Part 5:****Thermoplastic polyester (TP) homopolymers
and copolymers**

iTeh STANDARD PREVIEW
(standards.itih.ai)

*Plastiques — Détermination de la viscosité des polymères en solution
diluée à l'aide de viscosimètres à capillaires —*

*Partie 5: Homopolymères et copolymères des polyesters
thermoplastiques (TP)*



ISO 1628-5:1998(E)

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.

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.

iTeh STANDARD PREVIEW

International Standard ISO 1628-5 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 9, *Thermoplastic materials*.

This second edition cancels and replaces the first edition (ISO 1628-5:1986), which has been technically revised.

ISO 1628 consists of the following parts, under the general title *Plastics — Determination of the viscosity of polymers in dilute solution using capillary viscometers*:

- Part 1: *General principles*
- Part 2: *Poly(vinyl chloride) resins*
- Part 3: *Polyethylenes and polypropylenes*
- Part 4: *Polycarbonate (PC) moulding and extrusion materials*
- Part 5: *Thermoplastic polyester (TP) homopolymers and copolymers*
- Part 6: *Methyl methacrylate polymers*

Annex A of this part of ISO 1628 is for information only.

© ISO 1998

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 the publisher.

International Organization for Standardization
Case postale 56 • CH-1211 Genève 20 • Switzerland
Internet central@iso.ch
X.400 c=ch; a=400net; p=iso; o=isocs; s=central

Printed in Switzerland

Plastics — Determination of the viscosity of polymers in dilute solution using capillary viscometers —

Part 5:

Thermoplastic polyester (TP) homopolymers and copolymers

1 Scope

This part of ISO 1628 specifies a method for the determination of the viscosity number (also referred to as “reduced viscosity”) of dilute solutions of thermoplastic polyesters (TPs) in certain specified solvents. The method is applicable to poly(ethylene terephthalate) (PET), poly(butylene terephthalate) (PBT), poly-(cyclohexylenedimethylene terephthalate) (PCT), and poly(ethylene naphthalate) (PEN), as well as to copolyesters and other polyesters, defined in ISO 7792-1, that are soluble in one of the specified solvents under the specified conditions.

The viscosity number is determined by the general procedure specified in ISO 1628-1, observing the particular conditions specified in this part of ISO 1628.

The determination of the viscosity number of a thermoplastic polyester provides a measure of the relative molecular mass of the polymer.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 1628. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 1628 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of current valid International Standards.

ISO 1628-1:—¹⁾, *Plastics - Determination of the viscosity of polymers in dilute solution using capillary viscometers - Part 1: General principles.*

ISO 3105:1994, *Glass capillary kinematic viscometers - Specifications and operating instructions.*

ISO 3451-2:1984, *Plastics - Determination of ash - Part 2: Polyalkylene terephthalates.*

ISO 7792-1:1997, *Plastics - Thermoplastic polyester (TP) moulding and extrusion materials - Part 1: Designation system and basis for specifications.*

1) To be published. (Revision of ISO 1628-1:1984)