

# SLOVENSKI STANDARD

## SIST EN ISO 29988-1:2018

01-september-2018

Nadomešča:

SIST EN ISO 9988-1:2006

---

**Polimerni materiali - Materiali na osnovi polioksimetilena (POM) za oblikovanje in ekstrudiranje - 1. del: Sistem označevanja in podlage za specifikacije (ISO 29988-1:2018)**

Plastics - Polyoxymethylene (POM) moulding and extrusion materials - Part 1: Designation system and basis for specifications (ISO 29988-1:2018)

Kunststoffe - Polyoxymethylen (POM)-Werkstoffe - Teil 1: Bezeichnungssystem und Basis für Spezifikationen (ISO 29988-1:2018)

Plastiques - Matériaux à base de polyoxyméthylène (POM) pour moulage et extrusion - Partie 1: Système de désignation et base de spécification (ISO 29988-1:2018)

**Ta slovenski standard je istoveten z: EN ISO 29988-1:2018**

---

**ICS:**

83.080.20      Plastomeri      Thermoplastic materials

**SIST EN ISO 29988-1:2018**      en,fr,de

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

SIST EN ISO 29988-1:2018

<https://standards.iteh.ai/catalog/standards/sist/129b693f-fc5c-49c9-a1c7-07dc75887e51/sist-en-iso-29988-1-2018>

EUROPEAN STANDARD

**EN ISO 29988-1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2018

ICS 83.080.20

Supersedes EN ISO 9988-1:2006

English Version

## Plastics - Polyoxymethylene (POM) moulding and extrusion materials - Part 1: Designation system and basis for specifications (ISO 29988-1:2018)

Plastiques - Matériaux à base de polyoxyméthylène (POM) pour moulage et extrusion - Partie 1: Système de désignation et base de spécification (ISO 29988-1:2018)

Kunststoffe - Polyoxymethylen (POM)-Werkstoffe - Teil 1: Bezeichnungssystem und Basis für Spezifikationen (ISO 29988-1:2018)

This European Standard was approved by CEN on 23 March 2018.

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.

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, Serbia, 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: Rue de la Science 23, B-1040 Brussels**

Contents	Page
European foreword.....	3

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

SIST EN ISO 29988-1:2018  
<https://standards.iteh.ai/catalog/standards/sist/129b693f-fc5c-49c9-a1c7-07dc75887e51/sist-en-iso-29988-1-2018>

## European foreword

This document (EN ISO 29988-1:2018) 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 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 December 2018, and conflicting national standards shall be withdrawn at the latest by December 2018.

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

This document supersedes EN ISO 9988-1:2006.

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, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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

The text of ISO 29988-1:2018 has been approved by CEN as EN ISO 29988-1:2018 without any modification.

[SIST EN ISO 29988-1:2018  
https://standards.iteh.ai/catalog/standards/sist/129b693f-fc5c-49c9-a1c7-07dc75887e51/sist-en-iso-29988-1-2018](https://standards.iteh.ai/catalog/standards/sist/129b693f-fc5c-49c9-a1c7-07dc75887e51/sist-en-iso-29988-1-2018)

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

SIST EN ISO 29988-1:2018

<https://standards.iteh.ai/catalog/standards/sist/129b693f-fc5c-49c9-a1c7-07dc75887e51/sist-en-iso-29988-1-2018>

INTERNATIONAL  
STANDARD

ISO  
29988-1

First edition  
2018-04

---

---

**Plastics — Polyoxymethylene (POM)  
moulding and extrusion materials —**  
**Part 1:**  
**Designation system and basis for  
specifications**

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**  
*Plastiques — Matériaux à base de polyoxyméthylène (POM) pour  
moulage et extrusion —  
Partie 1: Système de désignation et base de spécification*

[SIST EN ISO 29988-1:2018](https://standards.iteh.ai/catalog/standards/sist/129b693f-fc5c-49c9-a1c7-07dc75887e51/sist-en-iso-29988-1-2018)

<https://standards.iteh.ai/catalog/standards/sist/129b693f-fc5c-49c9-a1c7-07dc75887e51/sist-en-iso-29988-1-2018>



Reference number  
ISO 29988-1:2018(E)

© ISO 2018

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

SIST EN ISO 29988-1:2018

<https://standards.iteh.ai/catalog/standards/sist/129b693f-fc5c-49c9-a1c7-07dc75887e51/sist-en-iso-29988-1-2018>



### **COPYRIGHT PROTECTED DOCUMENT**

© ISO 2018

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  
Fax: +41 22 749 09 47  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland



# Contents

	Page
<b>Foreword</b> .....	<b>iv</b>
<b>Introduction</b> .....	<b>v</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Designation and specification system</b> .....	<b>2</b>
4.1 General.....	2
4.2 Data block 1.....	2
4.3 Data block 2.....	3
4.4 Data block 3.....	3
4.5 Data block 4.....	4
4.5.1 General.....	4
4.5.2 Melt flow rate.....	4
4.5.3 Tensile modulus.....	5
4.6 Data block 5.....	5
<b>5 Examples of designations</b> .....	<b>5</b>
5.1 Designation only.....	5
5.2 Designation transformed into a specification.....	6
5.3 Designation transformed into a specification for polymer mixture case.....	7
<b>Bibliography</b> .....	<b>8</b>

iTech STANDARD PREVIEW  
(standards.iteh.ai)

[SIST EN ISO 29988-1:2018](https://standards.iteh.ai/catalog/standards/sist/129b693f-fc5c-49c9-a1c7-07dc75887e51/sist-en-iso-29988-1-2018)

<https://standards.iteh.ai/catalog/standards/sist/129b693f-fc5c-49c9-a1c7-07dc75887e51/sist-en-iso-29988-1-2018>

## ISO 29988-1:2018(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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html). (standards.iteh.ai)

This document was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 9, *Thermoplastic materials*. [SIST EN ISO 29988-1:2018](https://standards.iteh.ai/catalog/standards/sist/129b693f-fc5c-49c9-a1c7-058-75827614cc)

This first edition of ISO 29988-1 cancels and replaces ISO 9988-1:2004, which has been technically revised to introduce a new designation system.

A list of all parts in the ISO 29988 series can be found on the ISO website.

## Introduction

Polyoxymethylene materials are thermoplastic materials composed principally of long-chain synthetic homopolymers and copolymers of formaldehyde. The repeating unit in the molecular chain is  $-CH_2O-$  as an integral part of the main polymer chain resulting from polymerization of formaldehyde.

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

[SIST EN ISO 29988-1:2018](https://standards.iteh.ai/catalog/standards/sist/129b693f-fc5c-49c9-a1c7-07dc75887e51/sist-en-iso-29988-1-2018)

<https://standards.iteh.ai/catalog/standards/sist/129b693f-fc5c-49c9-a1c7-07dc75887e51/sist-en-iso-29988-1-2018>