



**SLOVENSKI STANDARD**  
**oSIST prEN ISO 306:2012**  
**01-april-2012**

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**Polimerni materiali - Plastomeri - Ugotavljanje temperature zmečišča po Vicatu (VST) (ISO/DIS 306:2012)**

Plastics - Thermoplastic materials - Determination of Vicat softening temperature (VST) (ISO/DIS 306:2012)

Kunststoffe - Thermoplaste - Bestimmung der Vicat-Erweichungstemperatur (VST) (ISO/DIS 306:2012)

Plastiques - Matières thermoplastiques - Détermination de la température de ramollissement Vicat (VST) (ISO/DIS 306:2012)

**Ta slovenski standard je istoveten z: prEN ISO 306 rev**

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**ICS:**

83.080.20      Plastomeri                      Thermoplastic materials

**oSIST prEN ISO 306:2012**                      **en,fr,de**



EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**DRAFT**  
**prEN ISO 306 rev**

January 2012

ICS 83.080.20

Will supersede EN ISO 306:2004

English Version

## Plastics - Thermoplastic materials - Determination of Vicat softening temperature (VST) (ISO/DIS 306:2012)

Plastiques - Matières thermoplastiques - Détermination de la température de ramollissement Vicat (VST) (ISO/DIS 306:2012)

Kunststoffe - Thermoplaste - Bestimmung der Vicat- Erweichungstemperatur (VST) (ISO/DIS 306:2012)

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If this draft becomes a European Standard, 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.

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COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

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## Foreword

This document (prEN ISO 306:2012) 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 document is currently submitted to the parallel Enquiry.

This document will supersede EN ISO 306:2004.

### Endorsement notice

The text of ISO/DIS 306:2012 has been approved by CEN as a prEN ISO 306:2012 without any modification.

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## DRAFT INTERNATIONAL STANDARD ISO/DIS 306

ISO/TC 61/SC 2

Secretariat: AENOR

Voting begins on  
2012-01-12

Voting terminates on  
2012-06-12

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

# Plastics — Thermoplastic materials — Determination of Vicat softening temperature (VST)

*Plastiques — Matières thermoplastiques — Détermination de la température de ramollissement Vicat (VST)*

[Revision of fourth edition (ISO 306:2004)]

ICS 83.080.20

## STANDARD PREVIEW

### ISO/CEN PARALLEL PROCESSING

This draft has been developed within the International Organization for Standardization (ISO), and processed under the **ISO-lead** mode of collaboration as defined in the Vienna Agreement.

This draft is hereby submitted to the ISO member bodies and to the CEN member bodies for a parallel five-month enquiry.

Should this draft be accepted, a final draft, established on the basis of comments received, will be submitted to a parallel two-month approval vote in ISO and formal vote in CEN.

**To expedite distribution, this document is circulated as received from the committee secretariat. ISO Central Secretariat work of editing and text composition will be undertaken at publication stage.**

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## Foreword

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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 306 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 2, *Mechanical properties*.

This second/third/... edition cancels and replaces the first/second/... edition (), [clause(s) / subclause(s) / table(s) / figure(s) / annex(es)] of which [has / have] been technically revised.

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## Introduction

The main changes introduced in this revision of ISO 306 can be summarized as follows:

A heating equipment consisting of a fluidized bath is added as a new apparatus, as an alternative to liquid-filled heating baths and direct-contact heating units. Fluidized baths can reach higher temperatures than traditional liquid-filled heating baths, so they represent a suitable way to measure VST of thermoplastic materials having improved thermo-mechanical properties.

Precision data based on a round robin test performed in 2009 are added.

Comparison data for tests with liquid-filled heating bath and fluidized bath are added.

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