SLOVENSKI STANDARD
SIST EN ISO 20753:2024

01-februar-2024

Polimerni materiali - Preskušanci (ISO 20753:2023)

Plastics - Test specimens (ISO 20753:2023)

Kunststoffe - Probekörper (ISO 20753:2023)

Plastiques - Éprouvettes (ISO 20753:2023)

Ta slovenski standard je istoveten z: **EN ISO 20753:2023**

ICS:

83.080.01	Polimerni materiali na splošno	Plastics in general

SIST EN ISO 20753:2024 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 20753

December 2023

ICS 83.080.01

Supersedes EN ISO 20753:2018

English Version

Plastics - Test specimens (ISO 20753:2023)

Plastiques - Éprouvettes (ISO 20753:2023)

Kunststoffe - Probekörper (ISO 20753:2023)

This European Standard was approved by CEN on 7 December 2023.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Ref. No. EN ISO 20753:2023 E

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European foreword

This document (EN ISO 20753:2023) 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 SIS.

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of an identical text or by endorsement, at the latest by June 2024, and conflicting national standards shall be withdrawn at the latest by June 2024.

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Endorsement notice

The text of ISO 20753:2023 has been approved by CEN as EN ISO 20753:2023 without any modification.

INTERNATIONAL STANDARD

ISO 20753

Third edition
2023-11

Plastics — Test specimens

Plastiques — Éprouvettes

Reference number
ISO 20753:2023(E)

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Published in Switzerland

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Foreword

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This document was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 2, *Mechanical behavior,* in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 249, *Plastics*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 20753:2018), which has been technically revised.

The main changes are as follows:

— Clarified overview of dimensions for reduced-scale dumb bell specimen type A.

  — That it contains harmonization of all tolerances for radii, widths and lengths, calculation of the total tolerance for l_2 (the length l_1 including radii), which now includes the summary of tolerances of the single dimensions.

  — That dimension l_2 is most important for a testing lab, as it needs to be observed to ensure distance between grips at tensile test.

— Change of dimension of test specimen type CP. The dimension is now consistent with type 3 of ISO 8256. The former dimension refers to type 2 of ISO 8256. However, the new dimension tends to be used for high-speed tensile tests for crash simulation.

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