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**Aditivna proizvodnja polimerov - Kvalifikacija - 1. del: Splošna načela in priprava preskusnih vzorcev za lasersko spajanje prahu v postelji (PBF-LB) (ISO/ASTM 52936-1:2023)**

Additive manufacturing of polymers - Qualification principles - Part 1: General principles and preparation of test specimens for PBF-LB (ISO/ASTM 52936-1:2023)

Additive Fertigung - Qualifizierungsgrundsätze - Laserbasiertes pulverbettbasiertes Schmelzen von Polymeren - Teil 1: Allgemeines und Herstellung von Prüfkörpern (ISO/ASTM 52936-1:2023)

Fabrication additive de polymères - Principes de qualification - Partie 1: Principes généraux et préparation des éprouvettes pour PBF-LB (ISO/ASTM 52936-1:2023)

**Ta slovenski standard je istoveten z: EN ISO/ASTM 52936-1:2023**

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83.080.01	Polimerni materiali na splošno	Plastics in general

**SIST EN ISO/ASTM 52936-1:2023**      **en,fr,de**



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EN ISO/ASTM 52936-1

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Additive manufacturing of polymers - Qualification  
principles - Part 1: General principles and preparation of  
test specimens for PBF-LB (ISO/ASTM 52936-1:2023)

Fabrication additive de polymères - Principes de  
qualification - Partie 1: Principes généraux et  
préparation des éprouvettes pour PBF-LB (ISO/ASTM  
52936-1:2023)

Additive Fertigung - Qualifizierungsgrundsätze -  
Laserbasiertes pulverbettbasiertes Schmelzen von  
Polymeren - Teil 1: Allgemeines und Herstellung von  
Prüfkörpern (ISO/ASTM 52936-1:2023)

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## European foreword

This document (EN ISO/ASTM 52936-1:2023) has been prepared by Technical Committee ISO/TC 261 "Additive manufacturing" in collaboration with Technical Committee CEN/TC 438 "Additive Manufacturing" the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by July 2023, and conflicting national standards shall be withdrawn at the latest by July 2023.

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## Endorsement notice

The text of ISO/ASTM 52936-1:2023 has been approved by CEN as EN ISO/ASTM 52936-1:2023 without any modification.



# INTERNATIONAL STANDARD

# ISO/ASTM 52936-1

First edition  
2023-01

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## Additive manufacturing of polymers — Qualification principles —

### Part 1: General principles and preparation of test specimens for PBF-LB

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*Fabrication additive de polymères — Principes de qualification —*

*Partie 1: Principes généraux et préparation des éprouvettes pour PBF-LB*

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## ISO/ASTM 52936-1:2023(E)

## Foreword

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This document was prepared by ISO/TC 261, *Additive manufacturing*, and ISO/TC 61/SC 9, in cooperation with ASTM Committee F42, *Additive Manufacturing Technologies*, on the basis of a partnership agreement between ISO and ASTM International with the aim to create a common set of ISO/ASTM standards on Additive Manufacturing, and in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 438, *Additive manufacturing*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This first edition of ISO/ASTM 52936-1 cancels and replaces ISO 27547-1:2010, which has been technically revised.

The main changes are as follows:

- new standard number and title to make clear its status as additive manufacturing standard;
- requirements for conditions revised to allow use of state of the art machines;
- Annex B deleted because this procedure is not state of the art anymore.