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**Fina keramika (sodobna keramika, sodobna tehnična keramika) - Mehanske lastnosti keramičnih kompozitov pri visoki temperaturi - Ugotavljanje nateznih lastnosti (ISO 14574:2025)**

Fine ceramics (advanced ceramics, advanced technical ceramics) - Mechanical properties of ceramic composites at high temperature - Determination of tensile properties (ISO 14574:2025)

Hochleistungskeramik - Mechanische Eigenschaften von keramischen Verbundwerkstoffen bei hoher Temperatur - Bestimmung der Eigenschaften unter Zug (ISO 14574:2025)

Céramiques techniques - Propriétés mécaniques des céramiques composites à haute température - Détermination des caractéristiques en traction (ISO 14574:2025)

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**Ta slovenski standard je istoveten z: EN ISO 14574:2025**

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English Version

**Fine ceramics (advanced ceramics, advanced technical ceramics) - Mechanical properties of ceramic composites at high temperature - Determination of tensile properties (ISO 14574:2025)**

Céramiques techniques - Propriétés mécaniques des composites à matrice céramique à haute température - Détermination des caractéristiques en traction (ISO 14574:2025)

Hochleistungskeramik - Mechanische Eigenschaften von keramischen Verbundwerkstoffen bei hoher Temperatur - Bestimmung der Eigenschaften unter Zug (ISO 14574:2025)

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## European foreword

This document (EN ISO 14574:2025) has been prepared by Technical Committee ISO/TC 306 "Foundry machinery" in collaboration with Technical Committee CEN/TC 184 "Advanced technical ceramics" the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by July 2025, and conflicting national standards shall be withdrawn at the latest by July 2025.

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# International Standard

**ISO 14574**

## **Fine ceramics (advanced ceramics, advanced technical ceramics) — Mechanical properties of ceramic composites at high temperature — Determination of tensile properties**

*Céramiques techniques — Propriétés mécaniques des composites  
à matrice céramique à haute température — Détermination des  
caractéristiques en traction*

**Second edition  
2025-01**

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This document was prepared by Technical Committee ISO/TC 206, *Fine ceramics*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 184, *Advanced technical ceramics*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 14574:2013), which has been technically revised.

The main changes are as follows:

- alignment of the terms and definition with the vocabulary standard ISO 20507;
- addition of illustration of tensile modulus in [Annex A](#);
- addition of a calibration method of the test temperature by using a cartographic specimen equipped with thermocouples in [Annex B](#).

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