



ASTM INTERNATIONAL
Helping our world work better

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ASTM International Technical Committee C28 on Advanced Ceramics

Scope

The promotion of knowledge, stimulation of research and the development of standards (classifications, specifications, nomenclature, test methods, guides, and practices) relating to processing, properties, characterization, and performance of advanced ceramic materials. This Committee will work in concert with other ASTM Technical Committees (e. g., D30 ‘Composite Materials,’ E07 ‘Non Destructive Testing,’ E08 ‘Fatigue and Fracture,’ E28 Mechanical Testing, ‘ F04 Medical and Surgical Materials and Devices’, and G02 ‘ Wear and Erosion’) and other national and international organizations having mutual or related interests.

Technical Subcommittees

- C28.01 Mechanical Properties and Performance
- C28.03 Physical Properties and Non-Destructive Evaluation
- C28.04 Applications
- C28.07 Ceramic Matrix Composites
- C28.90 Executive
- C28.91 Nomenclature and Editorial
- C28.92 Education and Outreach
- C28.93 Awards
- C28.95 Long Range Planning

Key Documents

- C1161 Standard Test Method for Flexural Strength of Advanced Ceramics at Ambient Temperature
- C1239 Standard Practice for Reporting Uniaxial Strength Data and Estimating Weibull Distribution Parameters for Advanced Ceramics
- C1421 Standard Test Methods for Determination of Fracture Toughness of Advanced Ceramics at Ambient Temperature
- C1557 Standard Test Method for Tensile Strength and Young’s Modulus of Fibers
- C1678 Standard Practice for Fractographic Analysis of Fracture Mirror Sizes in Ceramics and Glasses



Quick Facts

Established 1986

Number of Members 90+

Number of Standards 51

Global Participation

14 Countries represented

The standards are available in
Volume 15.01 in the *Annual Book of ASTM Standards*

Meetings C28 meets twice each year, in January and July

Staff Manager

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www.astm.org/COMMIT/C28

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