



ASTM International Technical Committee C28 on Advanced Ceramics

Established: 1986

Number of Members: 100

Number of Standards: 46

Global Participation: 12 Countries represented

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

Meetings: C28 meets in January and holds a virtual meeting in June

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.

SUBCOMMITTEES

C28.01 Mechanical Properties and Performance

C28.03 Physical Properties and Non-Destructive Evaluation

C28.04 Applications

C28.04.01 Nano-ceramics

C28.04.02 Coatings

C28.04.03 Electrodes

C28.04.04 Porous

C28.04.05 Fuel Cells

C28.04.06 Armor

C28.04.07 Sensors/Actuators

C28.04.08 Thermal Systems

C28.07 Ceramic Matrix Composites

C28.90 Executive

C28.91 Nomenclature and Editorial

C28.92 Education and Outreach

C28.93 Awards

C28.94 US TAG ISO/TC 206 Fine Advanced Ceramics

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
- C1683 Standard Practice for Size Scaling of Tensile Strengths Using Weibull Statistics for Advanced Ceramics
- C1684 Standard Test Method for Flexural Strength of Advanced Ceramics at Ambient Temperature-Cylindrical Rod Strength



Visit the ASTM

Committee C28 Webpage:

<http://www.astm.org/COMMIT/C28.htm>

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