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

Learn more about Committee C28
www.astm.org/COMMIT/C28

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

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