ASTM International and Committee C28 on Advanced Ceramics

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January 27, 2008

Daytona Beach, Florida
ASTM International Overview

- Global forum for the development of voluntary consensus standards
- Focus on materials, products, systems, and services
- High technical quality and market relevance
Role of ASTM Standards

- Bottom-line business implications
- Impact global trade, innovation and competition
- Used by individual companies, research labs, government agencies
- Guide product design, development, market access
The International Acceptance of ASTM Standards

- Used by tens of thousands of individuals, companies, and agencies globally
- Over 3,000 ASTM International standards are used as the basis for national standards by reference in regulation in over 60 countries
ASTM Members

- Over 30,000 of the world’s technical experts participate on 138 technical committees

- From over 115 countries

- Create standards that impact our daily lives

- When appropriate, technical experts from different committees collaborate to develop standards that would benefit multiple industries

- Membership
An Administrative fee of only $75

- Join Committee C28 on Advanced Ceramics
- Join as many technical committees you desire at no extra cost
- One Complimentary Volume of Annual Book of Standards ($230 value)
- Access to the Web-based Committee Information
ASTM’s Digital Path

- Members can participate right from their desktops
  - Access Ballots
  - Access Minutes
  - Access Meeting Info
  - Agendas

www.astm.org
Open, Balanced Participation

ASTM Standards Development Process

- Open, transparent
- All stakeholders have an equal voice
- Fair and balanced voting process
Documents are drafted and revised in the Task Group.

Drafts are first voted on by the Subcommittee.

After Subcommittee approval, the Main Committee & entire Society vote on the draft.
Electronic Balloting

- Email notification that ballots are open
- Ability to save votes
- Electronic submission of votes
- Electronic confirmation of receipt
- Email reminders if no vote received
Committee C28 on Advanced Ceramics

- 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.

- Established in 1986

- Number of Members: 100

- Number of Standards: 46
Committee C28 on Advanced Ceramics

C28.01 – Mechanical Properties and Performance

C28.02 – Reliability

C28.03 – Physical Properties and Performance

C28.04 – Applications

C28.07 – Ceramic Matrix Composites
Committee C28 Popular Standards

C1161 Standard Test Method for Flexural Strength of Advanced Ceramics at Ambient Temperature

C1624 Standard Test Method for Adhesion Strength and Mechanical Failure Modes of Ceramic Coatings by Quantitative Single Point Scratch Testing

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
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