



An Introduction to the Mechanical Properties of Ceramics (Cambridge Solid State Science Series)

By David J. Green



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Over the past twenty-five years ceramics have become key materials in the development of many new technologies as scientists have been able to design these materials with new structures and properties. An understanding of the factors that influence their mechanical behavior and reliability is essential. This book will introduce the reader to current concepts in the field. It contains problems and exercises to help readers develop their skills. This is a comprehensive introduction to the mechanical properties of ceramics, and is designed primarily as a textbook for advanced undergraduates in materials science and engineering. It will also be of value as a supplementary text for more general courses and to industrial scientists and engineers involved in the development of ceramic-based products, materials selection and mechanical design.



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An Introduction to the Mechanical Properties of Ceramics (Cambridge Solid State Science Series) By David J. Green Bibliography

- Sales Rank: #2636110 in Books
- Brand: Brand: Cambridge University Press
- Published on: 1998-09-13
- Original language: English
- Number of items: 1
- Dimensions: 9.72" h x .75" w x 6.85" l, 1.36 pounds
- Binding: Paperback
- 352 pages

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