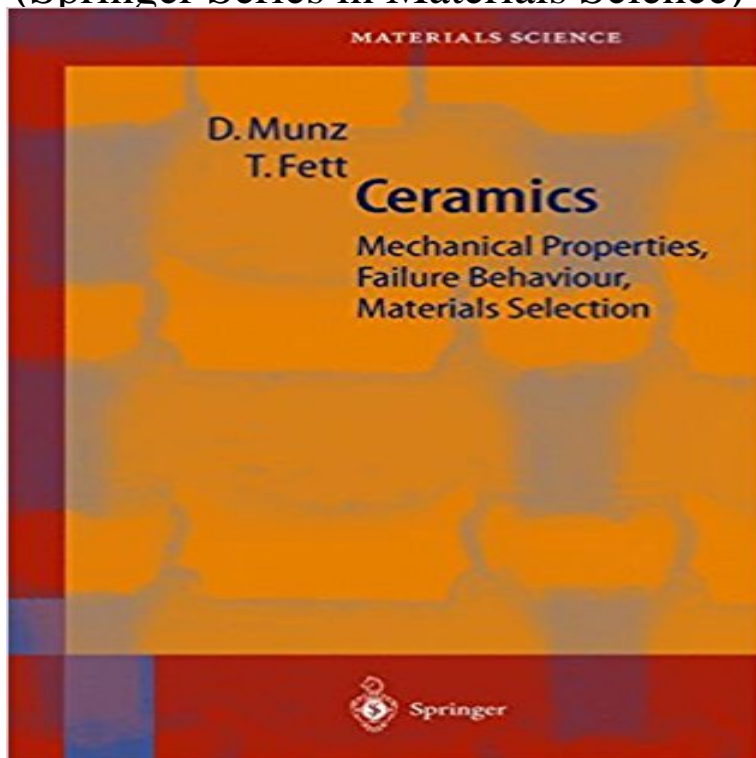


Ceramics: Mechanical Properties, Failure Behaviour, Materials Selection (Springer Series in Materials Science)



The book gives a description of the failure phenomena of ceramic materials under mechanical loading, the methods to determine their properties, and the principles for material selection. The book presents fracture mechanical and statistical principles and their application to describe the scatter of strength and lifetime, while special chapters are devoted to creep behaviour, multiaxial failure criteria and thermal shock behaviour. XXXXXXXX
Neuer Text Describing how ceramic materials fracture and fail under mechanical loading, this book provides methods for determining the properties of ceramics, and gives criteria for selecting ceramic materials for particular applications. It also examines the fracture-mechanical and statistical principles and their use in understanding the strength and durability of ceramics. Special chapters are devoted to creep behavior, criteria for multiaxial failure, and behavior under thermal shock. Readers will gain insight into the design of reliable ceramic components.

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EDUCATION

SCHOOL You should already have a designated person in school who is there to help and support you. This could be a teacher or another person in the school. They are responsible for writing your Personal Educational Plan (PEP) and making sure everything happens. Your educational plan should help you to do the best [...]

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SOCIAL SERVICES AND PATHWAY PLAN

While you have been looked after you will have known some people whose job it is to help and support you. All young people in care have a social worker. It is a good idea to keep their details readily available just in case you need to contact them. You may also want to note the [...]

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Education

Health

Housing

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LANGUAGES

en English

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