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Chapter 9 THE MATERIALS SELECTION PROCESS

crystal and glass structure, structures of solutions and compounds, grain ... ¶M. F. Ashby and D. R. H. Jones, Engineering Materials 1: An Introduction to their Properties and Applications, ... or structures, and develop a methodology for materials selection. One subject ¶

Engineering Materials 2

Michael Ashby is the creator of the famed Ashby charts (materials selection charts) which make narrowing down materials choices for nearly any application far easier; this book has a wealth of these charts and all of the information necessary to use and understand them.

Amazon.com: Materials Selection in Mechanical Design ...

Optimizing complex combinations of technical and price properties is a hard process to achieve manually, so rational material selection software is an important tool. General method for using an Ashby chart. Utilizing an "Ashby chart" is a common method for choosing the appropriate material.

Material selection – Wikipedia

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Ashby explores several common materials processing steps, such as joining or finishing to explain what you may expect after the process. A big factor in materials selection is cost, and Ashby dedicates an entire chapter to the topic. It's not just the cost the materials that matters, but also the cost of processing the materials.

Book of the Week: Materials Selection In Mechanical Design ...

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Materials Engineering, Science, Processing and Design ...

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