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*Materials Selection in Mechanical Design | ScienceDirect*

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.

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Materials selection in mechanical design / Michael F. Ashby. — 4th ed. p. cm. Includes index and readings. ISBN 978-1-85617-663-7 1. Materials. 2. Engineering design. I. Title. TA403.6.A74 2011 620.1'1—dc22 201002069 British Library Cataloguing-in-Publication Data A catalogue record for this book is available from the British Library.

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CONCLUSIONS A novel materials selection procedure has been implemented in software. It contains a database of quantitative and qualitative data for a wide range of engineering materials: metals, polymers, ceramics, composites and natural materials.

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M.F. Ashby, Materials Selection in Mechanical Design, 3rd Ed., Elsevier, 2005. Massachusetts Institute of Technology Cambridge, Massachusetts

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M.F. Ashby, Materials Selection in Mechanical Design, Butterworth Heinemann, 2010 Michael Ashby, Hugh Shercliff, and David Cebon, 2010, Materials: Engineering, Science ...

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Note: The materials selection charts shown in some of the notes and in the video (from the Ashby and Jones book) are courtesy of Michael Ashby. ...  
Ashby, M. F. Materials Selection in Mechanical Design. Boston, MA: Elsevier, 2005. ISBN: 0750661682. (Relevant topics: Materials Selection and Design) ...

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