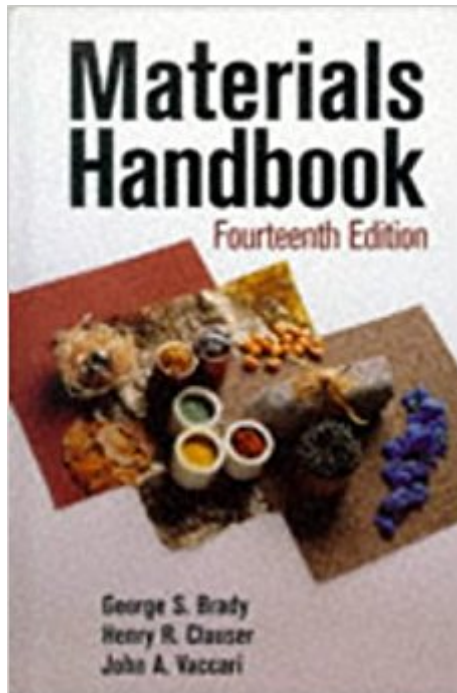


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# Materials Handbook, 14th Edition



## Synopsis

Contains descriptions of materials and substances likely to be encountered in industry and engineering technologies. Covering over 13,000 materials relevant to industry, this handbook includes metals and non-metallics, coatings and finishes, chemicals, minerals, pharmaceuticals, fuels, textiles and foodstuffs. For each material it reports on composition, production methods, properties and characteristics, uses and commercial designation or trade name. This edition contains over 30% new information on new plastic, composites, biomaterials and advanced engineering materials. It presents all weights, measures and quantities in both S.I. and US customary units.

## Book Information

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## Customer Reviews

Known simply as "Brady's"--the only comprehensive, one-volume encyclopedia of materials is now revised! Since 1929, this unique tool has saved professionals' time by providing a one-stop source of comprehensive information on virtually every material and substance used in industry and engineering. The Fourteenth Edition is thoroughly updated to provide full information on a multitude of new materials and substances. It gives you: A-to-Z organization for easy access; coverage of more than 13,000 materials; details on chemicals, metals, minerals, fuels, plastics, textiles, finishes, woods, pharmaceuticals, elastomers, ceramics, coatings, composites, industrial substances, foodstuffs, and natural plant and animal substances; entries on new materials, including recycle plastics, fullerenes, hard-surfaced polymers, dendrimers, transfective materials, rapid prototyping

materials, silicone nitride, supercritical fluids, bulk molding compounds, conversion coatings, folic acid, replacements for chloro-fluorocarbons, and thousands more; properties and characteristics of materials, including composition, production methods, uses, and commercial designation or trade names; a thorough index for finding just the material you need.

A great compendium of common and uncommon materials describing where and how specific materials are produced, their common uses in manufacturing, including their Trade or Proprietary Names, organic and inorganic materials alike. This book is a great reference for laymen as well as engineers and scientists seeking general to specific information about materials from elements, metal alloys, minerals, aromatics, oils, plastics, fabrics, detergents, woods, and more. I bought 2 of these books, one for work and one for home reference.

I initially purchased this handbook because I wanted a good reference on materials properties. This does deliver in some regard but not as I expected. For one, it's more like an encyclopedia of materials, in that it contains paragraphs of information about engineering materials (like Wikipedia). I was hoping it would contain tables and graphs of engineering materials. For example, if I was interested in hexagonal Boron Nitride, I could look up thermal, electrical, and mechanical properties via tables and plots. I believe this book is well suited for engineers who want to know some basic applications and properties of a given material system.

This book has been through about 15 revision editions since about 1956. Some may argue that Wikipedia and the Internet, in general, make this book, and similar references, obsolete. While there is some truth to the foregoing stated opinion, many persons find words printed on paper to still have certain advantages over electronic media. This book briefly covers about 15,000 different materials. It is an excellent place to start when one wants to research just about any physical material.

This book is most helpful to those who have to find information about materials outside their area of expertise. The listing is extremely broad, and unlike other books, does not just focus on engineered or structural materials. The negative side of this breadth is the small amount of information on each material (sometimes only one or two paragraphs). This small amount of information, however, is usually enough to direct a search into a more productive direction. I have benefitted from this book on the last 4 jobs I have held. Definitely worth having.

More fun than it should be.

I bought this item for my son. It was just what we ordered and we were happy with the purchase.

as a birthday gift to my husband, so fast, receive it next day . the price is cheap and the quality is high. very patient and helpful. Heavy product with good balance

Excellent reference book for those individuals needing to know the materials that go into the products we use everyday.

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