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Material selection is one of the foremost functions of effective engineering design as it determines the reliability of the design in terms of industrial and economical aspects. A great design may fail to be a profitable product if unable to find the most appropriate material combinations. So it is vital to know what the best materials for a particular design are.

**Basic Facts to Consider for Material Selection in Engineering**

A textbook that presents information on the nature and properties of materials used in engineering design, and presents guidelines to assist designers in selecting the right material for a given job. This edition (fourth was 1992) still covers all of the important material systems: metals, ceramics, plastics, and composites.

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Materials and Process Selection for Engineering Design: Mahmoud Farag 1 Chapter 9 THE MATERIALS SELECTION ... The starting point is the entire range of engineering materials. At this stage, it is essential to open up channels in different ... where  $i$  is summed over all the  $n$  relevant properties. Materials and Process Selection for Engineering ...

**Chapter 9 THE MATERIALS SELECTION PROCESS**

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**S REFERENCES DDITIONAL STUDY - wiley.com**

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**Engineering Materials Science | ScienceDirect**

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