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tensile test is one of the most popular testing methods to pick up the mechanical properties of metallic materials under static loads enough to cause elastic deformation and plastic ...[\(PDF\)](#) Electronic Properties of Engineering MaterialsMaterials science or materials engineering is an interdisciplinary field involving the properties of material (matter) and its applications to various areas of science and engineering. This science investigates the relationship between the composition (including structure of materials at atomic or molecular scales) and their macroscopic properties.Materials engineering | Engineering | FandomA single semiconductor crystal can have many p- and n-type regions; the p-n junctions between these regions are responsible for the useful electronic behavior. Some of the properties of semiconductor materials were observed throughout the mid 19th and first decades of the 20th century. Electronic Properties Of Engineering Materials *Electrical Properties of Engineering Materials | Electrical4U* Ceramic materials are

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James Livingston has written a highly readable undergraduate text introducing the physics and chemistry underlying the electronic properties of engineering solids. The first half of the text uses a semi-classical approach, while the second half introduces quantum mechanics and applies quantum chemistry and quantum physics to the basic properties of metals, insulators, and semiconductors.

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