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Nanomaterial: Types, Properties And Application

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ABSTRACT
Nanomaterials are chemical substance or materials that are manufactured and used at a very small scale called nanoscale. Nanoscale means size range from approximately 1 – 100 nm. Generally nanomaterials deal with sizes of 100 nanometers or smaller in at least one dimension. It is a material with any external dimension in the nanoscale or having internal structure or surface structure in the nanoscale. Nanomaterial exhibits unique microstructure and enhanced mechanical performance. That uniqueness attracted considerable attention in recent years and offer interesting possibilities related to many applications.
This paper reviews the types, various properties and applications of nano materials and mention how grain size will affect mechanical properties of the material. Due to uniqueness of nanomaterial its applications are increased and have produced positive impact on researchers.