

Indian Standard

NANOTECHNOLOGIES — VOCABULARY

PART 4 NANOSTRUCTURED MATERIALS

1 Scope

This Technical Specification gives terms and definitions for materials in the field of nanotechnologies where one or more components are nanoscale regions and the materials exhibit properties attributable to the presence of those nanoscale regions. It is intended to facilitate communications between organizations and individuals in industry and those who interact with them.

Materials have topographical or compositional features at the nanoscale, but this is not sufficient to classify the material as nanostructured. Materials classified as nanostructured have an internal or surface structure with a significant fraction of features, grains, voids or precipitates in the nanoscale. Articles that contain nano-objects or nanostructured materials are not necessarily nanostructured materials themselves.

This Technical Specification includes nanodispersion.