

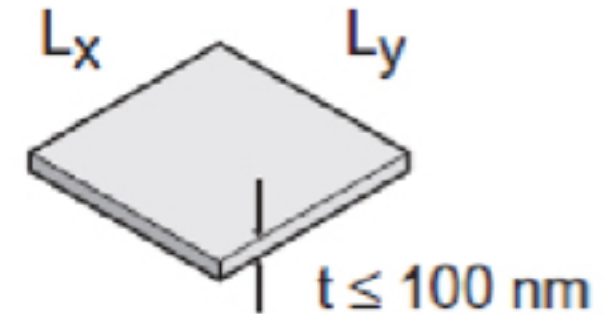
Three Dimensional (3D)

Zero dimensions are confined with the nanoscale range (<100 nm)

Bulk nano materials can contain dispersions of nanoparticles, bundles of nanowire, and nanotubes as well as multilayers.

Two Dimensional (2D)

One dimensions are confined with the nanoscale range (<100 nm)

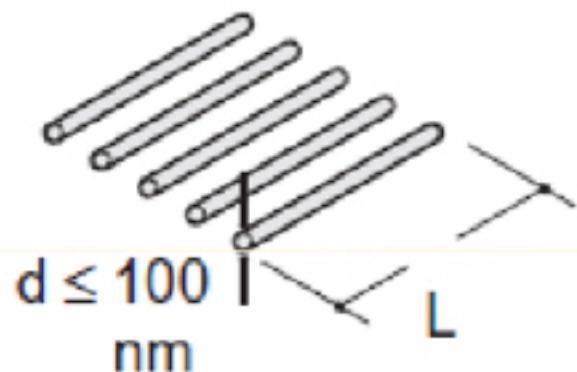


Nanofilms, nanolayers, nanocoatings and quantum wells

Classification of Nano-materials and nano-scale structures

One Dimensional (1D)

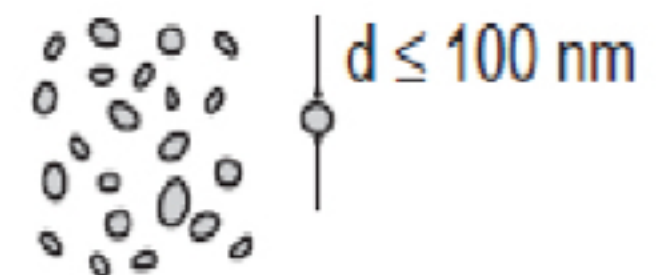
Two dimensions are confined with the nanoscale range (<100 nm)



Nanotubes, nanorods and nanowires

Zero Dimensional (0D)

All dimensions are confined with the nanoscale range (<100 nm)



Nanoparticles, quantum dots