

phase domain

Region of a material that is uniform in chemical composition and physical state.

Notes:

1. A phase in a multiphase material can form domains differing in size.
2. The term “domain” may be qualified by the adjective microscopic or nanoscopic or the prefix micro- or nano- according to the size of the linear dimensions of the domain.
3. The prefixes micro-, and nano- are frequently incorrectly used to qualify the term “phase” instead of the term “domain”; hence, “microphase domain”, and “nanophase domain” are often used. The correct terminology that should be used is phase microdomain and phase nanodomain.

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