

Activities on Standardization of Properties of Graphene in Korea

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Graphene with two dimensional honeycomb structures of carbon atoms is known as having exceptional electrical, thermal, and mechanical properties. Their applications are expected to be in high speed, flexible, and transparent devices. Research activities on graphene in Korea have been focused on commercialization of graphene based materials and devices. Activities of standardization of graphene in Korea will be presented. Topics in standardization of graphene discussed are followings: Characterization of electrical properties of graphene, Evaluation of the number of layers of graphene, and Evaluation of domain boundaries of graphene. Other activities of standardization of carbon materials will be introduced as well.