

The Global Market for Non-Graphene 2D Materials

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Abstracts

Due to its exceptional transport, mechanical and thermal properties, graphene has been at the forefront of nanomaterials research over the past few years. Its development has enabled researchers to explore other 2D layered materials, such as the transition metal dichalcogenides (TMD), a wide variety of oxides and nitrides and clays. Several types are now commercially available from advanced materials producers.

2D materials covered in this report include:

transition metal dichalcogenides (TMD).

hexagonal boron nitride (h-BN).

MXenes.

borophene.

phosphorene.

graphitic carbon nitride.

germanene.

graphane.

graphdiyne.

stanene/tinene.

tungsten diselenide.

rhodium disulfide.

diamene.

silicene.

antimonene.

indium selenide.

layered double hydroxides.

Report contents include:

Properties of 2D materials.

Applications of 2D materials.

Addressable markets for 2D materials.

Production and pricing of 2D materials.

Profiles of 19 2D materials producers and suppliers.

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