

Actual and future industrial applications of graphene and other 2D materials

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Abstract (Century Gothic 11)

The application bulk graphene materials in different markets start to arrive in high-volume orders [1]. Most of the actual applications are in polymers or composites. However, there are several bottles neck for the use by end user of the graphene & 2D materials, such as:

- The low apparent density that extremely penalize the cost of transport,
- Graphene material is a "fluffy" and there is the risk of release
- Manipulation by end user is not easy and need adaptation of the process.
- Final properties are extremely sensible to dispersion

Adecuate processing of Graphene and related material can solve these problems. Allowing to introduce them in conventional production techniques and finally in large and massive markets paving the Way for business success in the graphene & 2D materials Supply Chains.

References

- [1] <https://www.idtechex.com/en/research-article/high-volume-orders-finally-arrive-for-the-graphene-industry/23266>.

Figures



Figure 1: GRM application in rubber
