

Categories

Energy and Environment

Solution

Our invention delivers improved performance and quality when it comes to rubber composites that contains graphene. This is because our process adds graphene on to natural rubber to enhance its mechanical properties.

Technology & Applications

Natural rubber originally derived from latex produced from tree and exhibits high properties in resilience, tensile strength and tear resistance after vulcanization as well as it is more environmentally friendly than synthetic rubber. Nevertheless, the mechanical properties of the natural rubber can be further enhanced through addition of fillers. Among conventional fillers, graphene has attracted tremendous attention due to its high specific area, mechanical properties and gas impermeable.

Advantages

- Improved method of preparing a graphene-containing natural rubber masterbatch
- Rubber compound with enhanced mechanical properties.

Intellectual Property

Patent: PI2021004860

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Technology Partners

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Gallery



Contact Us!

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