

## Categories

Energy and Environment

## Solution

- Optimize formulations using Graphene to get more improvement properties in terms of high abrasion resistance.
- The addition of graphene nanoplatelet can compensate for the reduction of carbon black while retaining other physical properties.

## Technology & Applications

- Global tire manufacturers are using graphene within tire treads, walls and the inner linings can make tires lighter, better grip and reduce rolling resistance.
- Production of pre-cured tread liners rubber compound/flowers at large scale by incorporating small amount only of graphene in the formulation to enhance its strength.

## Advantages

- Extended tire lifetime (wearability)
- More puncture abrasion and heat resistance
- Fulfill industrial demand to produce tires with specific functionality to be used in diverse climates or road conditions.

## Intellectual Property

Patent: PI2022007372

## Inventors

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## Gallery



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