

# KARINPHENE®

*Developed to meet the most demanding markets seeking versatility, increased mechanical strength, reduced energy consumption, lightness and flexibility with a highly resistant final product*

Graphene refers to a single layer of carbon atoms, forming a two-dimensional hexagonal crystal structure analogous to a honeycomb and its properties make it very desirable. This material is lightweight, conductive of electricity, rigid and waterproof.

The applicability of graphene is in several areas. The best known are:

**civil construction, energy, telecommunications, hospital/medical, electronics and security**

## Advantages

- High hardness (about **200 times** stronger than steel)
- Extremely thin walls
- Flexibility
- Waterproof
- It has high thermal and electrical conductivity
- Tensile strength, impact and bending
- Non-toxic

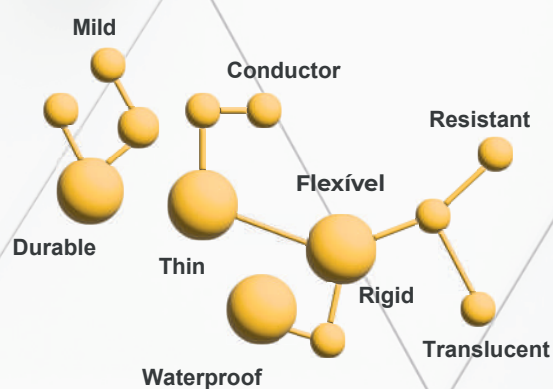
## Applications

- Civil construction
- Packaging
- Hospital physician
- Automotive
- Safety
- Electronics
- Transmission cables
- Mobility

## Processes

- Extrusion
- Injection
- Blow

- ✓ High-tech laboratory
- ✓ Specialized technical department
- ✓ Quality control of finished products
- ✓ Logistics with 24-hour service



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