

The main properties of graphene

Graphene is one of the materials called upon to revolutionise the future of different industries.

High thermal and electrical conductivity; more than on copper or silver.



Ultralight.
A thousand times lighter than paper.



More flexible, elastic and malleable than carbon fibre.



Up to 200 times stronger than steel.



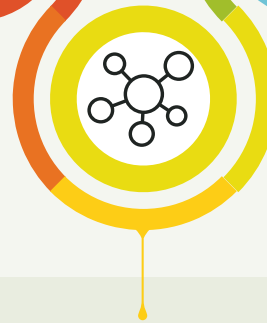
It supports ionising radiation; very useful in the health sector.



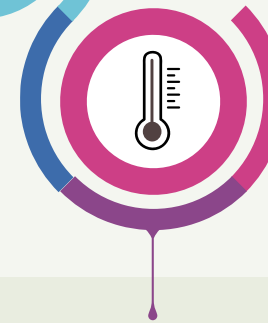
Its enormous density makes it impermeable to gases.



It has molecular capacity for self-repair.



Low vulnerability to overheating.



Source: Graphene-Flagship, APS Physics, Springer Nature.