

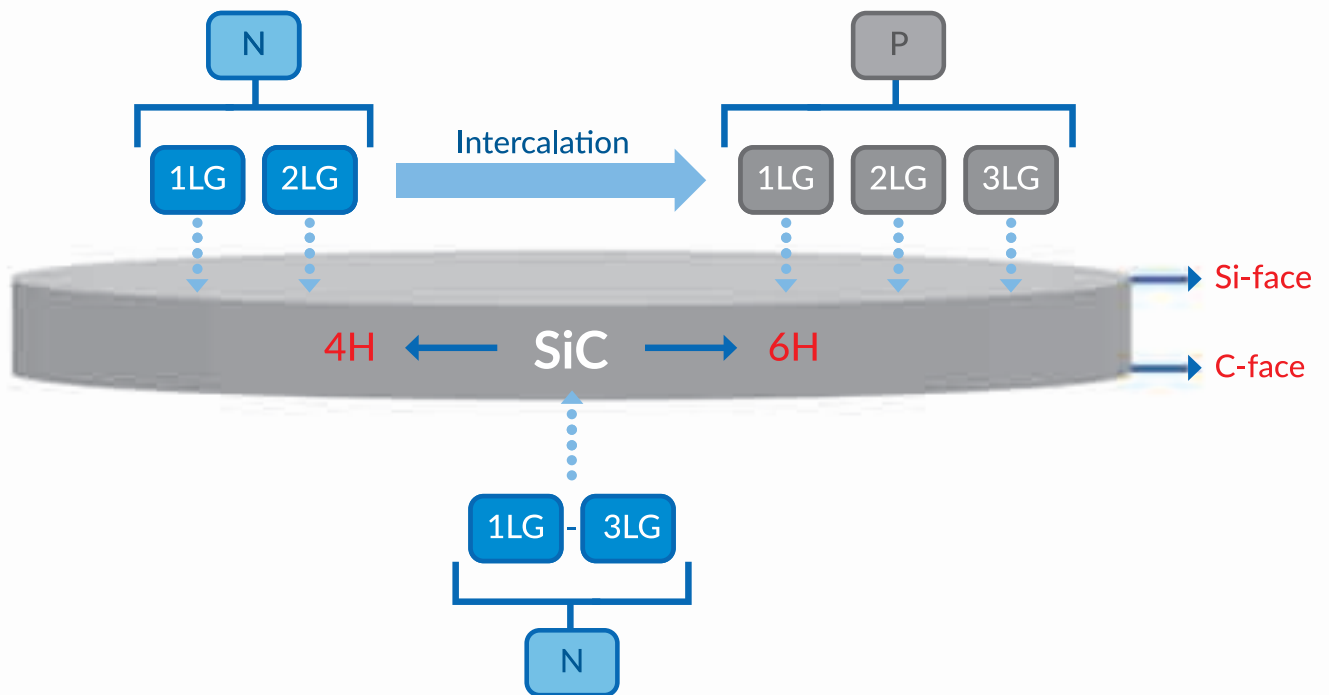
Graphene on SiC



NANO CARBON
GRAPHENE TECHNOLOGIES

Nano Carbon stays at the cutting edge of graphene technology. We use a unique CVD on SiC method[®] or a sublimation technique to produce superior quality graphene films on SiC wafers. Our ability to deliver high quality personalized service is widely appreciated by our clients.

A pioneer in large-scale graphene we offer you a broad range of products to fulfill your specific requirements: single-layer (1LG), bi-layer (2LG), tri-layer (3LG) graphene, N- or P-type (H₂ intercalation), grown on 4H- or 6H-SiC, Si- or C-face.

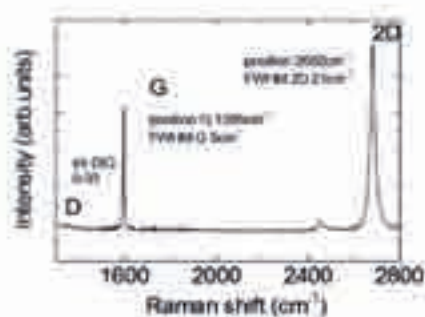


Properties

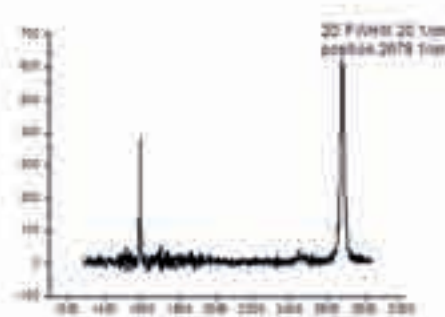
Our products demonstrate outstanding transport properties measured by Hall method at RT:

Mobility: up to 3000 cm²/Vs for N type • up to 6500 cm²/Vs for P type
Charge density: 5E11 to 1.5E13 cm⁻² for N type • 1E13 to 1.5E13 cm⁻² for P type

Raman spectrum of graphene
on 4H-SiC, Si-face



Raman spectrum of graphene
on 6H-SiC, C-face



Quality and reliability is high priority at Nano Carbon. Product quality and conformity are secured by comprehensive tests of all individual products.

Applications

Our products are ideal for use in: solar energy, biotechnology, HF electronics, spintronics, bio-sensors, gas-sensors, photodetectors, new carbon electronics, graphene semiconductor chips, graphene computer memory.

Size

Standard sizes

10 mm x 10 mm	2" x 2"	ø2"
15 mm x 15 mm	4" x 4"	ø3"

Any other size up to ø6" can be ordered on request.

A current price list is available at the following link:
www.nano-carbon.pl/buy-graphene/epitech

GRAPHENE shop .PL

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