

OUR PRODUCT

Nanomaterial CVD-graphene



GENERAL INFORMATION



WHAT WE PRODUCE

Graphene film -

two-dimensional nanomaterial with thickness of one atom arranged in hexagons



HOW WE PRODUCE

Chemical vapor deposition

from gas mixture of methane, hydrogen and argon onto catalytic substrate at **800-1000°C**



ON WHAT SUBSTRATES

Copper foil

Nickel foil

Si substrate

SiO₂ 90/285nm

Quartz substrate

2 mm

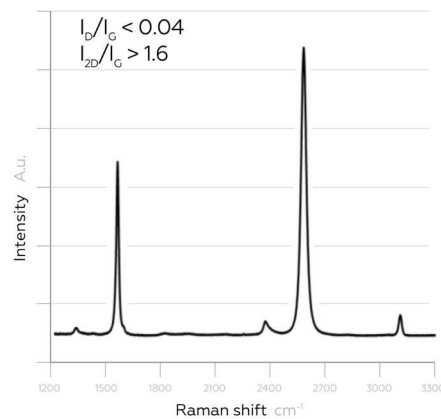
On your substrate

<80cm²

TECHNICAL CHARACTERISTICS

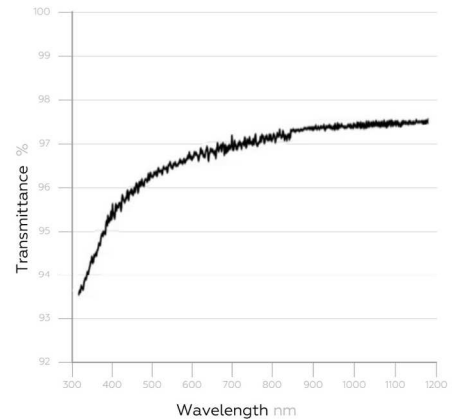
OF CVD-GRAPHENE ON **SiO₂ - 90nm**

Grain Size	>20µm
Transparency	>97%
Coverage area	>95%
Thickness	1 layer >95%
	2 layer <5%
Sheet Resistance	500-800 Ohm
Charge Mobility	1500-2500cm²V⁻¹s⁻¹

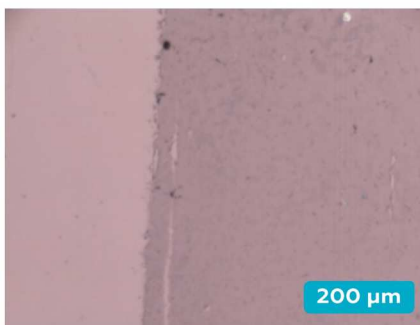


RAMAN SPECTRUM
of graphene

λ=532nm



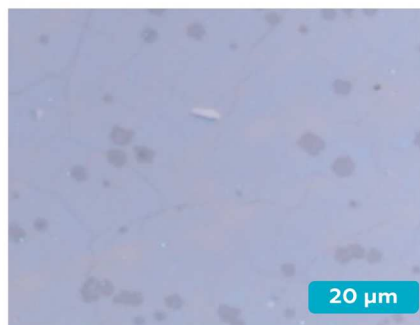
OPTICAL TRANSMISSION SPECTRUM
of graphene



200 µm

GRAPHENE EDGE

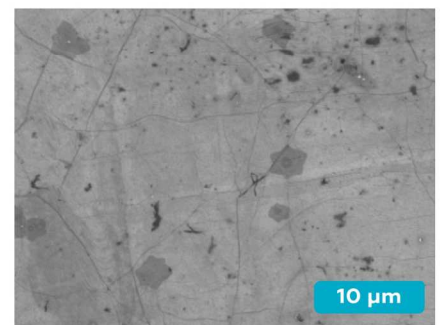
Optical microscopy image x10



20 µm

GRAPHENE

Optical microscopy image x50



10 µm

GRAPHENE

Scanning electron microscopy

CONTACT US



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