

Product Datasheet

Graphenea Suspended Monolayer Graphene film on TEM Grids

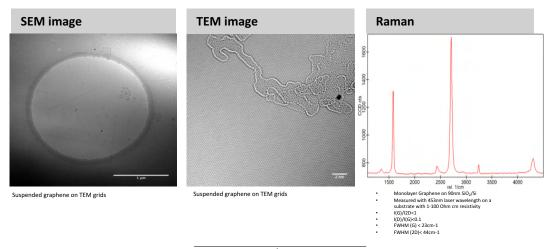
Graphene Film Properties

Growth Method	CVD synthesis
Transfer Method	Clean transfer method
Quality Control	Optical Microscopy & Raman checked
Size	3 mm (TEM grid diameter)
Appearance (Color)	Transparent
Transparency	>97%
Coverage	>95%
Number of graphene layers	1
Thickness (theoretical)	0.345 nm
AFM Thickness (air @RT)	<1nMonolayer Graphene on 90nm SiO2/Si
Electron Mobility on SiO ₂ /Si	 Measured with 453nm laser wavelength on a substrate with ~1500ccmA/Msresistivity
Grain size	• I(G)/I2D<1 Up•tqD#QdJE0.1 • FWHM (G) < 23cm-1

• FWHM (2D)< 44cm-1

Substrate TEM Grid

Туре	QUANTIFOIL® R 2/4
Hole size	2 μm
Space between holes	4 μm
Diameter	3 mm
Coating	Au coated



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