

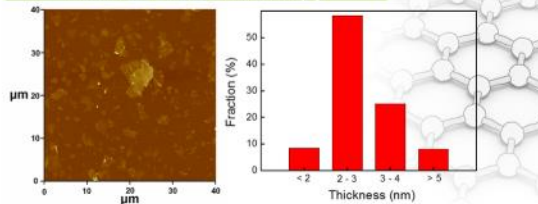
グラフェン

Multi-layer Graphene (MLG)

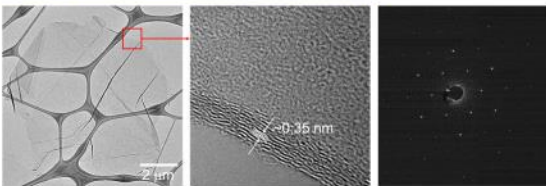


- **Graphene Flakes** dispersed in Dimethylformamide (DMF) N-Methyl-2-pyrrolidone (NMP)
- Concentration: 5 mg/mL (5 g/L)
- Lateral size: several μm – tens of μm
- Thickness: mostly ≤ 5 nm
- Product volume: 100 mL, 1 L, 5 L

Atomic Force Microscopy



Transmission Electron Microscopy



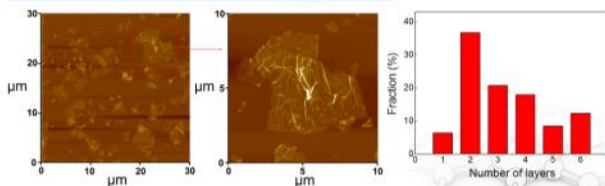
High-quality Graphene inks (G-inks)



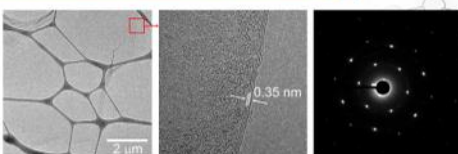
- **Graphene sheets** dispersed in Dimethylformamide (DMF) N-Methyl-2-pyrrolidone (NMP)
- Concentration: 0.5, 1 and 2 mg/mL
- Lateral size: $\sim 1 - 20$ μm
- Thickness: $\geq 90\%$, ≤ 6 layers
- Product volume: 100 mL, 1 L

Graphene inks are **NOT** conventional GO or rGO.

Atomic Force Microscopy



Transmission Electron Microscopy

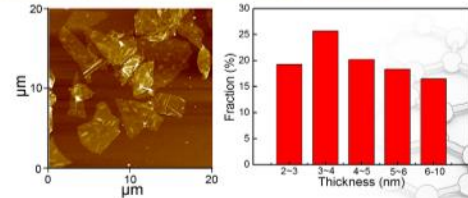


Water-Dispersible Graphene-paste (G-paste)

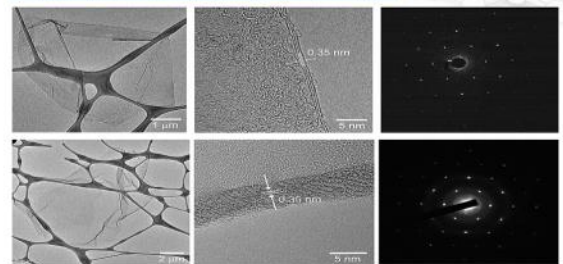


- **Graphene Flakes** dispersed in distilled water (H_2O)
- Concentration: 20 g/kg
- Lateral size: several μm – tens of μm
- Thickness: ≤ 10 nm ($\geq 70\%$, ≤ 5 nm)
- Product volume: 100 g, 1 kg, 2 kg, 10 kg

Atomic Force Microscopy



Transmission Electron Microscopy

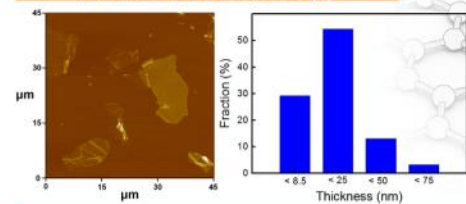


Graphite Nanoplates (GNP)

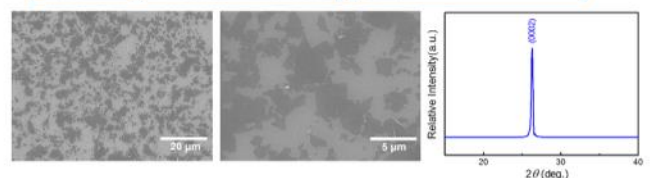


- **Graphene Nanoplates** dispersed in Isopropyl alcohol (IPA)
- Concentration: 10 mg/mL (10 g/L)
- Lateral size: several μm – tens of μm
- Thickness: mostly ≤ 50 nm
- Product volume: 1 L, 5 L

Atomic Force Microscopy



Scanning Electron Microscopy and



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