



11, Gujarat Laghu Udhayog Vikas Mandal
Estate, Nr. Shani Dev Temple, Dhobighat
Road, Shahpur, Ahmedabad-380004
Gujarat

GO MEMBRANES

Description

Graphene oxide (GO) membranes consist of multi-layers two-dimensional graphene oxide stacked on top of each other to give a laminate of two-dimensional GO sheets. These stacked sheets have interconnected channels running through them which act as the membranes pores. The pores are uniform in size and only few nm in width. Their small width means the membrane is highly selective in nature allowing only ions and molecules smaller than few nm to permeate through.

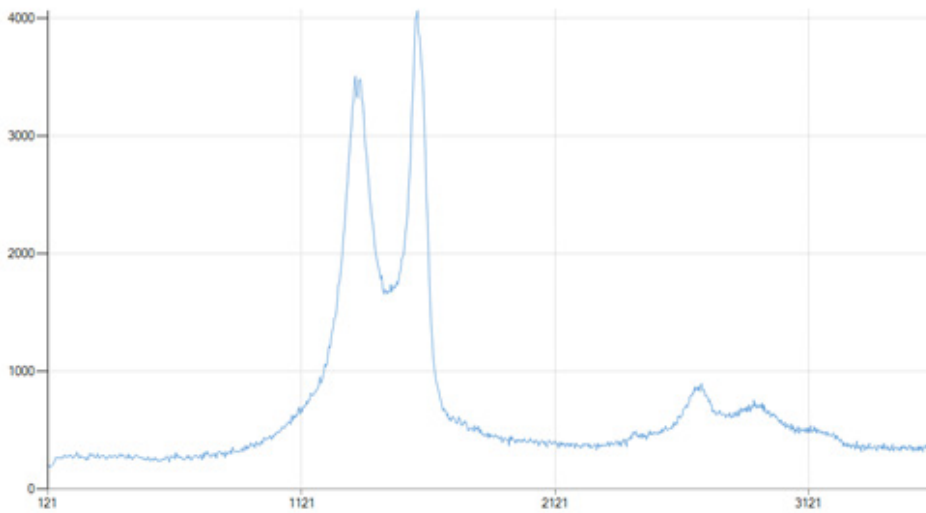
Applications

- Water filtration
- Air Filtration
- Gas barrier
- Anti-microbial barrier

Properties

Appearance	Dark brown
Thickness	Few nm to 5micron
Diameter (mm)	30 - 150
Oxygen	51 – 63 %
Carbon	51 – 63 %
Hydrogen	0.5 to 3 %

Raman Spectroscopy Result



XRD Result

