8200 CAMERON ROAD, SUITE B160, AUSTIN, TX 78754
PHONE (512) 339-5020 X130 ♦ HTTPS://APPLIEDNANOTECH.NET/STRIPPER-FOILS/
SALES@APPLIEDNANOTECH.NET

Graphene Stripper (Extraction) Foils

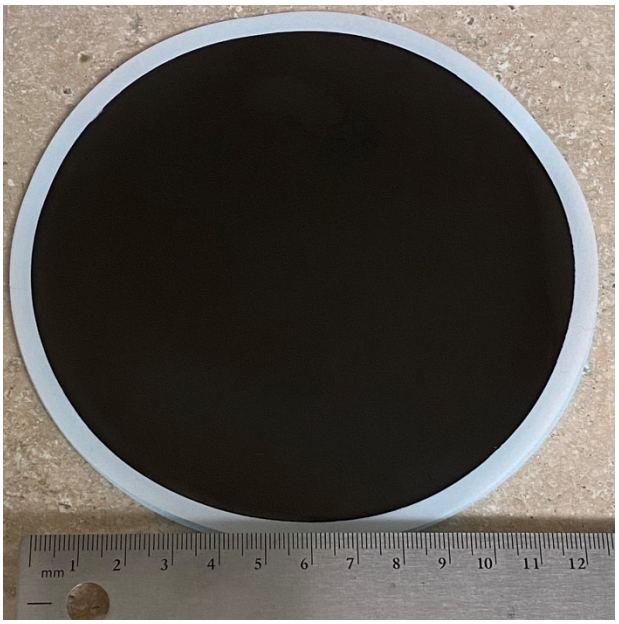
Carbon stripper foils (extraction foils) made with graphene only and mixtures of graphene and carbon nanotubes (CNT) are manufactured and sold by Applied Nanotech, Inc. (ANI).

Long Lifetime: Lifetimes exceeding 7,500 µA-hrs have been routinely documented on some PETtrace cyclotrons (depending on operating parameters).

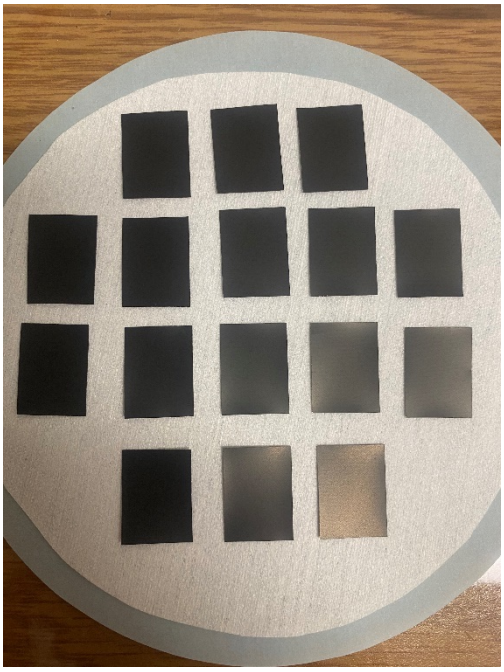
Custom Size: Foils are cut, packaged, and delivered to customer specifications. ANI offers graphene films with diameters up to 13 cm (up to 26 cm diameter available on request). Area densities of 0.1 to 1.0 mg/cm^2 are standard. Higher mass density foils are available. Thicker foils are made with mixture of graphene and carbon nanotubes. Foils for GE, IBA, Siemens, ACSI, Sumitomo cyclotrons.

Competitive pricing: Large order discount rates available.

Products Made in America under ISO-9001:2015 quality standards.



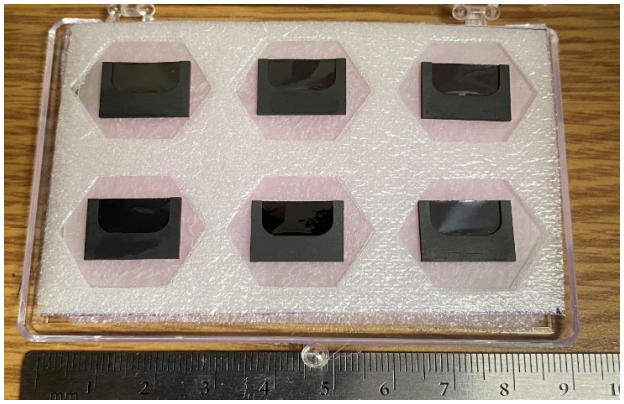
Foils as large as 13cm diameter typical. Larger foils possible.



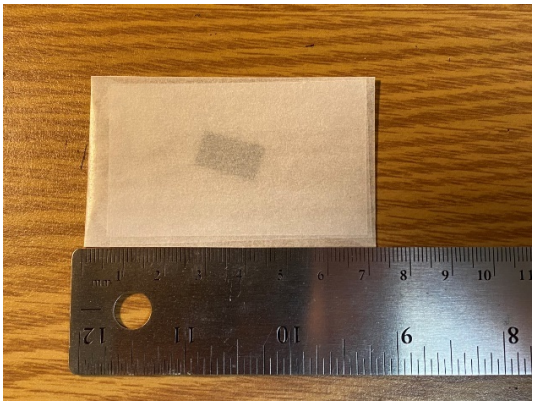
Foil cut to customer's specification.

8200 CAMERON ROAD, SUITE B160, AUSTIN, TX 78754
PHONE (512) 339-5020 X130 ♦ HTTPS://APPLIEDNANOTECH.NET/STRIPPER-FOILS/
SALES@APPLIEDNANOTECH.NET

Foil Mounting Options: Stripper foils can be delivered as bare foils, cut to size, or mounted on carbon or aluminum frames to customer specifications.



Foils mounted on carbon frames.



Bare foil in individual package.

Density: The graphene foil density is approximately 1.5 – 2.0 gm/cc.

Electrical Resistance: Measured sheet resistance of graphene films is in the range of 13 – 260 Ohm/sq and is linearly dependent on area mass density.

Thermal Conductivity: The in-plane thermal conductivity of the graphene foil sample was found to be 1480 W/mK. Measurements of thermal conductivity were made using the ASTM E1461 laser flash method by NETZSCH Instruments North America LLC. The following parameters were used for the calculation of the thermal conductivity: bulk density of the graphene film sample 1.55 g/cm^3, temperature 25°C and specific heat *Cp* 0.73 J/gK. The measured thermal diffusivity is 1308 mm^2/s.