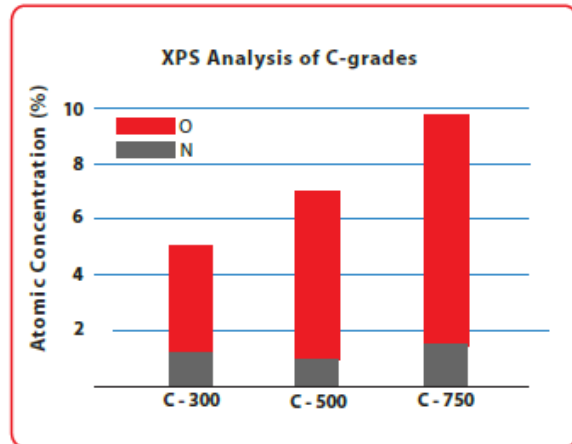
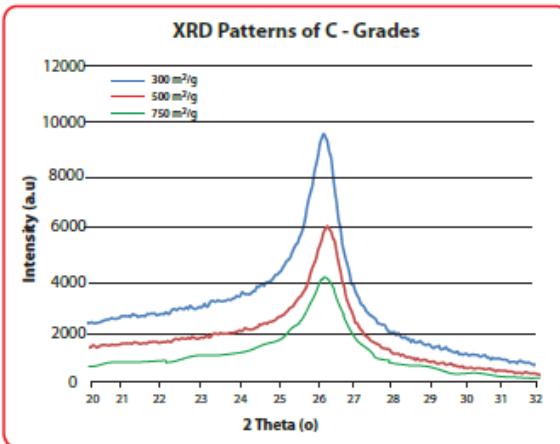
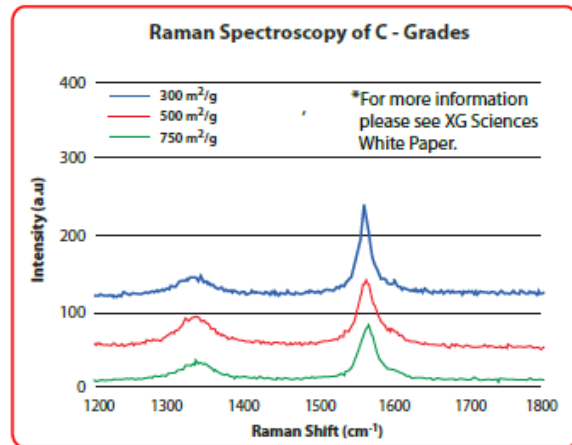
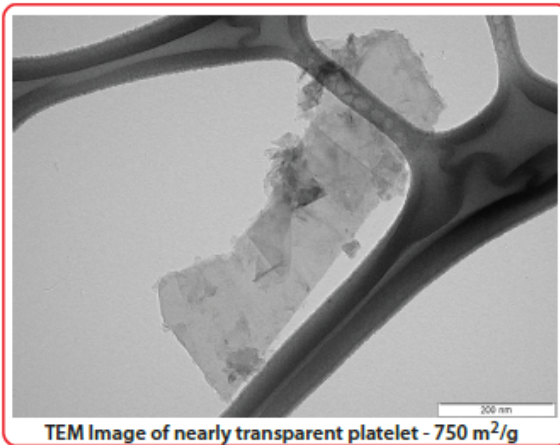


xGnP® Graphene Nanoplatelets - Grade C

xGnP® Graphene Nanoplatelets are unique nanoparticles consisting of short stacks of graphene sheets having a platelet shape. Grade C particles are available in different grades that are designated by their approximate surface area.

Grade C particles typically consist of aggregates of sub-micron platelets that have a particle diameter of less than 2 microns and a typical particle thickness of a few nanometers, depending on the surface area. Grade C particles can be ordered with average surface areas of 300, 500, and 750 m²/g.



Characteristics of Bulk Powder

Property	Typical Value
Appearance	Black granules/powder
Bulk Density	0.2 to 0.4 g/cc
Relative Gravity	2.0-2.25 g/cc

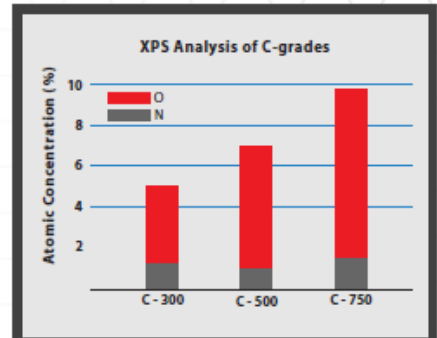
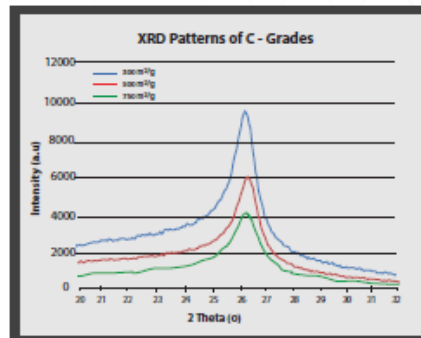
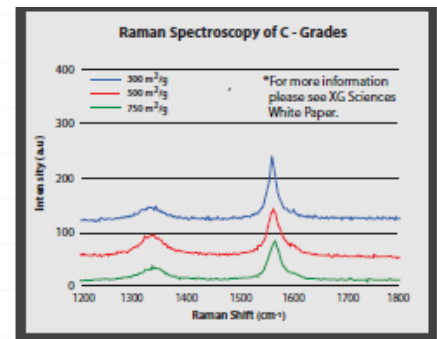
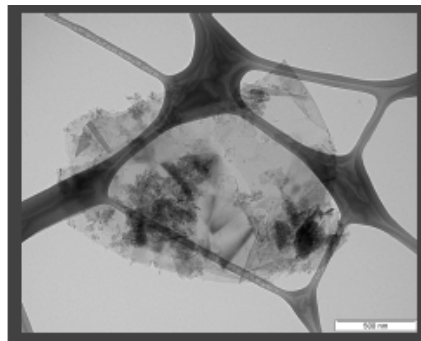
*Note: nanoplatelets have naturally occurring functional groups like ethers, carboxyls, or hydroxyls that can react with atmospheric humidity to form acids or other compounds. These functional groups are present on the edges of the particles and their wt% varies with particle size.

xGnP® Grade C Product Characteristics

xGnP® Graphene

Nanoplatelets are unique nanoparticles consisting of short stacks of graphene sheets having a platelet shape. **Grade C** particles are available in different grades that are designated by their approximate surface area.

Grade C particles typically consist of aggregates of sub-micron platelets that have a particle diameter of less than two microns and a typical particle thickness of a few nanometers, depending on the surface area. **Grade C** particles can be ordered with average surface areas of **300, 500, and 750 m²/g**.



XG Sciences, Inc. believes the information in this technical data sheet to be accurate at publication. XG Sciences, Inc. does not assume any obligation or liability for the information in this technical data sheet. No warranties are given. All implied warranties of fitness for a particular purpose are expressly excluded. No freedom from infringement of any patent owned by XG Sciences or other is to be inferred. XG Sciences encourages its customers to review their manufacturing processes and applications for xGnP graphene nanoplatelets from the standpoint of human health and environmental quality to ensure that this material is not utilized in ways that it is not intended or tested.