

TECHNICAL DATA SHEET

GPL

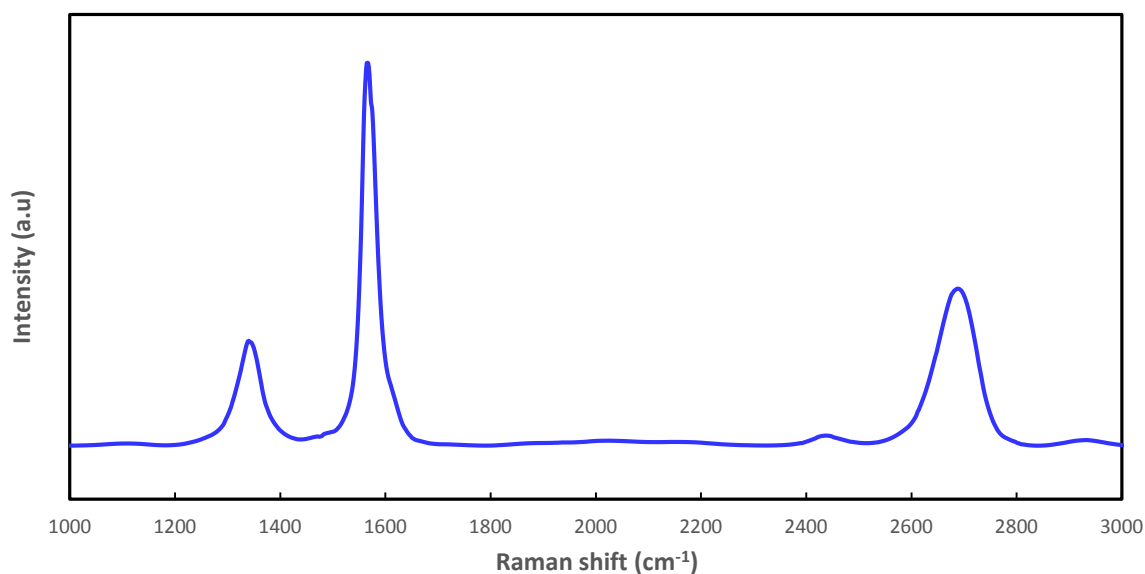
High Quality Multilayer Graphene Nanoplatelets

GrapheneTech's **GPL** product consists of high quality powder based on graphene nanoplatelets. **GPL** is manufactured by our own "top-down" method, an environmentally friendly process performed with no additives. **GPL** is suitable for a wide range of applications, such as conductive inks, coatings or polymeric filaments because of its electrical and thermal properties. It can be also added in resins or lubricant oils to highlight its features.

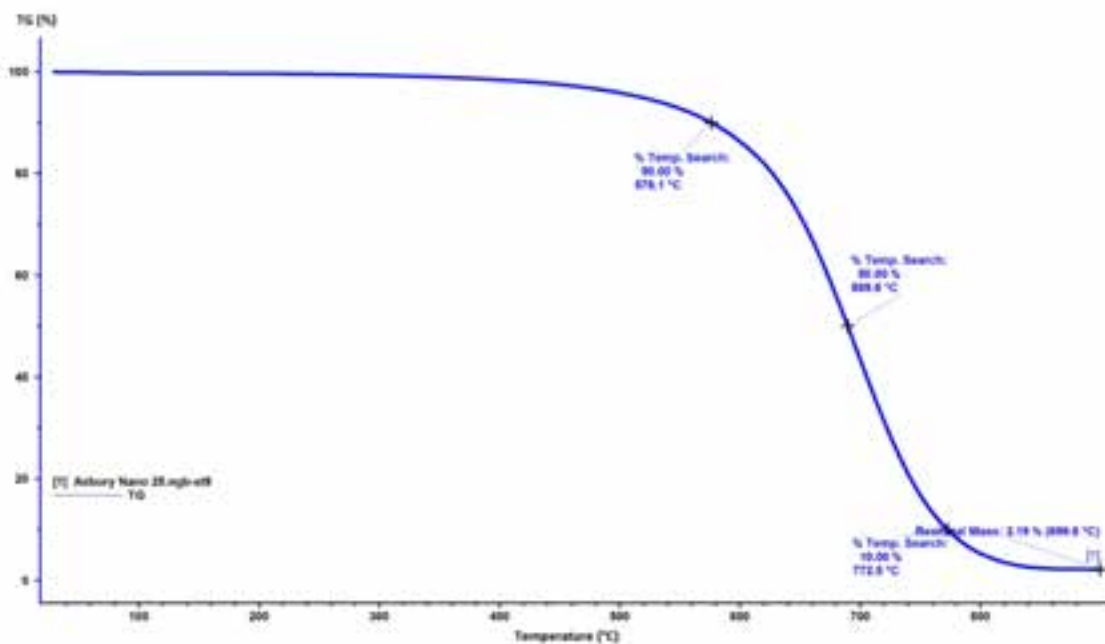
Technical specifications

Parameter	Specifications
Appearance	black powder
Carbon content	>97 %
Specific surface area	200±20 m ² /g
Lateral size	500-1000 nm
Nº layers	13-14

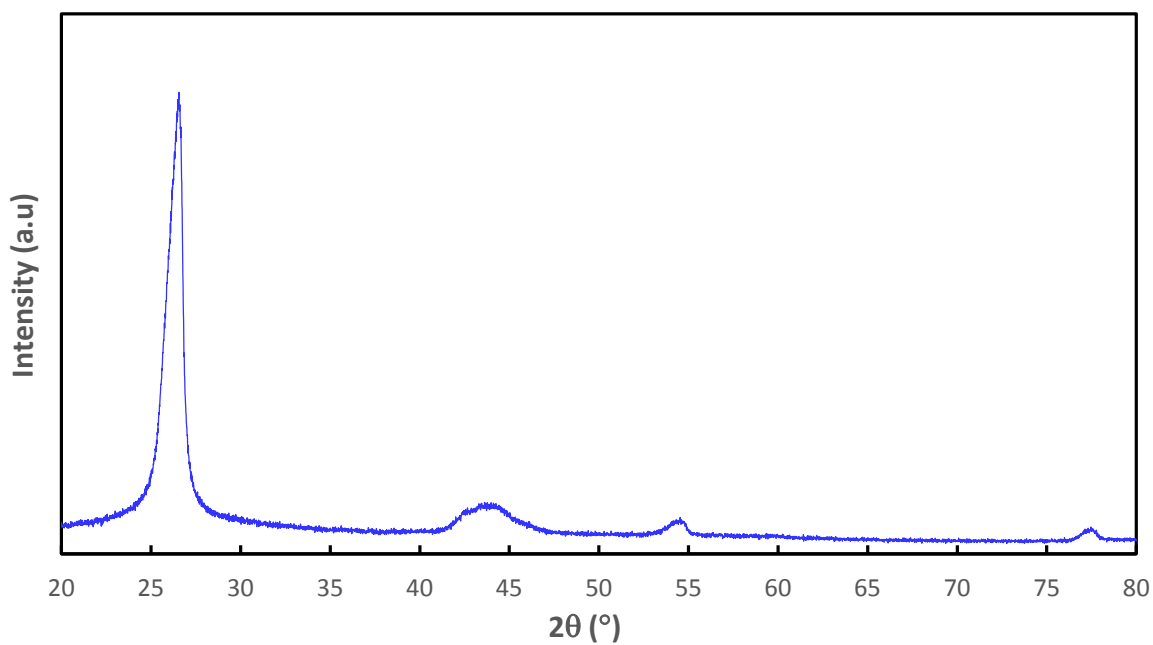
Characterization



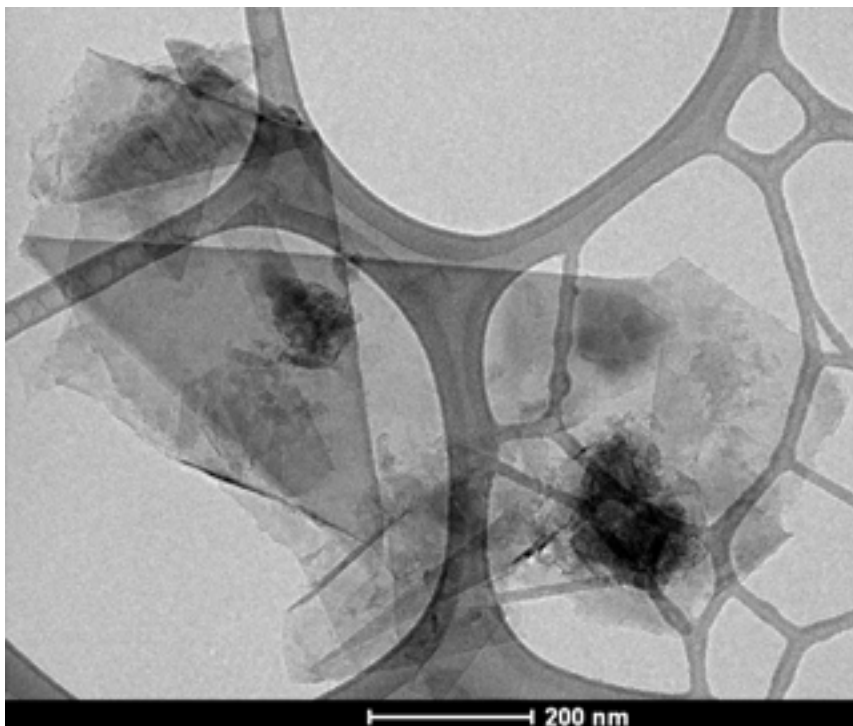
Raman patterns of GPL graphene nanoplatelets (GrapheneTech).



Thermogravimetric curve of GPL graphene nanoplatelets (GrapheneTech).



XRD spectra of GPL graphene nanoplatelets (GrapheneTech).



TEM Image of GPL graphene nanoplatelets (GrapheneTech).

Storage and Handling

Store at room temperature in a closed packing container. Preserve in a clean, dry and stable environment. Keep away from heat, sparks and flames. Otherwise, it may have an adverse effect on performance and will affect any warranties given by GrapheneTech.

Health and Safety

For safe use of this product, please review the datasheet (MSDS).

GrapheneTech S.L. considers that the information in this technical data sheet is accurate at publication time. The statement, technical data and recommendations contained herein are based on our investigation and experience. GrapheneTech does not assume any obligation or liability for the information in this technical data sheet. GrapheneTech encourages its customers to review the manufacturing process and applications from the standpoint of human health and environmental quality to ensure that this material is not utilized in ways that is not intended or tested. No warranties are given. All implemented warranties of fitness for a particular purpose are expressly excluded. Product literature and safety data sheets should be consulted prior to use. Please contact GrapheneTech for the most current technical information.