



NANO BRIDGE

Advanced Carbon Material Provider

A pathway to cutting-edge technology and a sustainable environment
through Nano Carbon Materials



www.nanobridge.co.kr

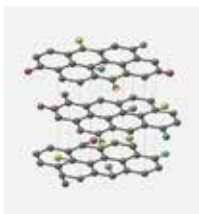
ABOUT NANOBRIDGE

SERVICE

- Providing Customized Nano Carbon Materials
- Anti-Static, Electromagnetic Shielding Material Solutions
- Providing Total Thermal Solutions

PRODUCTS

TYPES OF PRODUCTS



- Graphene
- Graphenenanoplatelets
- Functionalized Nanocarbon Materials
- Insulative Carbon Materials

OFFERING TYPES

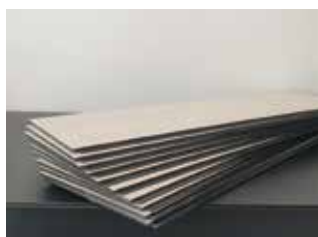


- Powder Type
- Solution Type
- Liquid Compound/Paste
- Pallets

APPLICATIONS



Planetary Heating System



Thermally Conductive
Flooring Panels



Fabric Coating Agent for Electronic Devices
(Thermally Conductive/Water Repellent)

PATENTS

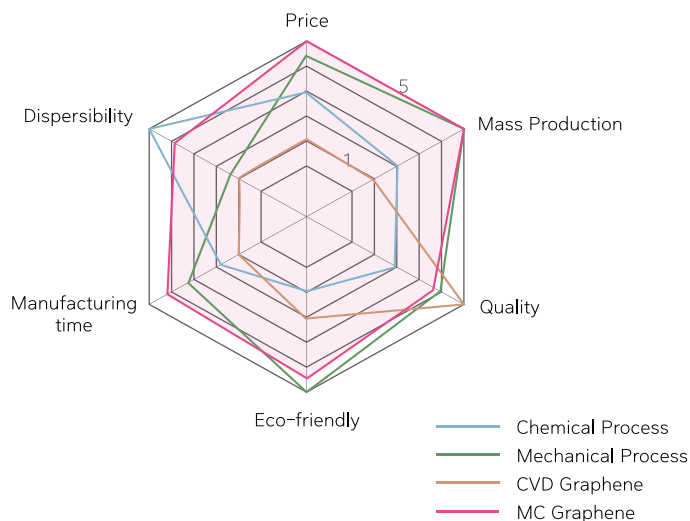
- Insulating graphite composition having core-shell structure and methods of producing the same (2023, Patent in Progress, 10-2023-0164792)
- Heat and water repellent compositions comprising carbon-based fillers with glycol-based functional groups, methods of preparation thereof, and uses thereof (2023, Patent In Progress, 10-2023-0164793)

MC GRAPHENE

MECHANO-CHEMICAL GRAPHENE

ABOUT

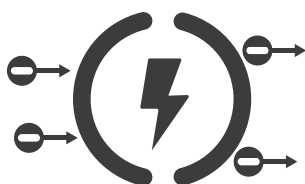
Mechanochemical Graphene (MC Graphene) is an innovative type of graphene that combines the strengths of mechanical and chemical processes while overcoming their respective limitations. MC graphene exhibits higher electrical and thermal conductivity, higher dispersibility, and eco-friendliness. For future needs in advanced materials, MC graphene will be an excellent choice for your high-performance products and materials.



FEATURES



High
Strength and Toughness



High
Electrical Conductivity



High
Thermal Conductivity



Light Weight



Eco-Friendly

SPECIFICATIONS

Properties	MC Graphene
Offering Types	Powder or Solution
Layers	5 ≤
Sizes	0.1 ~ 50 μm
Defect (I_D/I_G)	0.1 ≤
O Contents	1% ≤
Conductivity (S/m)	$10^{-2} \sim 10^4$
Specific Surface Area (m^2/g)	10 ~ 500



CRYOLINK

NANO CARBON ENHANCED COOLANT

ABOUT

CryoLink is NanoBridge's next-generation nano carbon-enhanced coolant, designed to redefine thermal management for AI infrastructure, high-performance computing, and advanced electric mobility. Powered by our proprietary nanocarbon technology, CryoLink delivers breakthrough thermal conductivity, long-term stability, and superior anti-corrosion performance—far beyond conventional coolants. We innovate at the material level, integrating nano carbon's unique properties to enable higher-density operations, lower power consumption, and extended system lifetimes. With scalable manufacturing and a focus on sustainability, CryoLink sets a new benchmark in coolant technology for the future of computing and mobility



FEATURES



HIGH
THERMAL
MANAGEMENT



EXCELLENT
ANTI-
CORROSION



LONGER
BATTERY
LIFE

SPECIFICATIONS

SPECIFICATIONS	PROPERTIES
THERMAL CONDUCTIVITY	> 0.7 W/mK
VISCOSITY	< 500 cps
OFFERING TYPES	COOLANT (LIQUID)
RECOMMENDED APPLICATIONS	AI Data Center, High Performance Computers, High-End Cars, Trucks and etc.

N-VIA

TRANSPARENT FLAME RETARDANT FILM

ABOUT

N-VIA is a transparent flame-retardant film engineered with advanced nano materials. Unlike conventional flame-retardant coatings that compromise clarity, N-VIA maintains high transparency while delivering robust fire protection. Its unique formulation makes it ideal for applications on display panels, architectural glass, vehicle windows, and other transparent surfaces—combining safety, durability, and design freedom in one solution.



TEST RESULT

FLAME RETARDANT TEST

Demonstrating flame retardancy with a 40-second torch test, N-VIA shows excellent durability and fire resistance while maintaining transparency



0s



10s



20s



30s



40s

SPECIFICATIONS

SPECIFICATIONS	PROPERTIES
TRANSPARENCY	> 85%
DURABILITY	> 40s
THICKNESS	< 50um
OFFERING TYPES	FILM, PAINT
RECOMMENDED APPLICATIONS	Display, Electronics Glasses, Windows, Label, and etc.