



RESIN

## GELGRAPH Graphene-enhanced high modulus GELCOATS









**Enhanced Mechanical** Strenght!

## **GEL COAT RESINS**

**Graphene-enhanced** high modulus **GELCOATS** offer superior mechanical performance, durability, and resistance to environmental factors.

Designed for advanced composite applications, they provide exceptional protection, improved adhesion, and reduced weight, ensuring long-lasting and high-performance results.

## 25% MORE SURFACE HARDNESS

## **CHARACTERISTICS**

**Enhanced Mechanical Strength** – Increases hardness and impact resistance, reducing the risk of cracks and surface damage.

**Lower Brittleness** – Its high elastic modulus allows it to absorb stresses more effectively without breaking, preventing microcracks.

**Improved Abrasion Resistance** – Withstands wear caused by friction and continuous contact, increasing durability.

**Superior Chemical Resistance** – Enhances resistance to acids, solvents, and corrosive agents, making it ideal for harsh environments.

**Reduced Permeability** – Decreases moisture and external agent absorption, protecting the material's internal structure.

**Better Thermal Stability** – Resists temperature fluctuations without deformation or loss of properties.

**Higher Adhesion** – Integrates better with the composite substrate, preventing delamination and detachment.

**Lower Weight** – Maintains rigidity with lower density, contributing to overall weight reduction of the structure.

**Increased UV Resistance** – Protects against aging and yellowing due to sun exposure.

**Reduced Shrinkage** – Minimizes contraction during curing, improving the dimensional accuracy of parts.

**Greater Durability** – The combination of these properties ensures a longer service life with lower maintenance requirements.

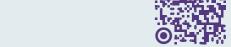






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