

The Greatest Innovation in Recent History for the Bulk Bag Industry



Bottle to Bag Recycling



Circular Economy

Sustainabulk



Custom Engineered



High Strength/ Less Bulging

Did You Know...

- Plastic contributes to 12% of the world's solid waste.
- Only **9%** of plastic packaging is recycled.
- Packaging contributes to 46% of plastic waste.
- Annually, ***80-*120** billion in plastic packaging material is lost after single use.

Invest in the Future of Our Planet with the 100% Recycled Sustainabulk™ FIBC Bulk Bag from Gravis.

EXPERT SOLUTIONS FOR YOUR TOUGHEST PACKAGING CHALLENGES sales@gravisglobal.com • 800-774-7567 • www.gravisglobal.com

BOTTLE TO BAG RECYCLING

Gravis Helps You Achieve Your Internal Environmental Sustainability Goals

Reduce Carbon Emissions By Up To 70%

Virgin polypropylene is produced by polymerizing propylene gas, a hydrocarbon derived from petroleum. Polypropylene is the most commonly used material for FIBC bulk bags due to its strength and relatively low cost. However, this process can be harmful to the environment because it relies on petroleum-based production, and these bags present an end-of-life challenge as they are difficult to recycle. In contrast, the Gravis **Sustainabulk™** rPET bag eliminates the need for petroleum processing and is easier to recycle, allowing you to reduce your carbon footprint.



Future Proof Your European Shipments

When shipping to Europe, it's crucial to use sustainable packaging due to strict regulations that mandate minimizing packaging waste and promoting recyclable materials, with the EU aiming for 100% recyclable packaging by 2030; this means opting for choices like recycled cardboard boxes, biodegradable packing peanuts, and minimizing unnecessary plastic usage or using recyclable products like the Gravis **Sustainabulk™** rPET bag.

Calculating Your Carbon Credits

Carbon Reduction

- 3.6 kg per bag
- 540 kg per pallet (150 bags)
- 25,920 kg per Container (48 pallets)

Switching to the **Sustainabulk**[™] rPET bag from Gravis can provide up to 26 carbon credits or 26 metric tons of reduced CO2 per container*.



CIRCULAR ECONOMY

You Help Your Customers Achieve Their Environmental Sustainability Goals



How Does It Work?

- 1) Recycled PET plastic bottles or bulk bags are received at the manufacturing facility.
- 2) Bottles and Bags are put through a commercial grade shredder and converted into rPET flakes.
- 3) rPET flakes are then converted into food grade resin.
- 4) Specially designed looms process the rPET resin into fabric with high strength tenacity.
- 5) Fabric is cut and sewn to your exact specifications. All stitching, lift loops, and closures are also made from rPET.

Sustainabulk[™] bags are made from 100% recycled materials and can also be recycled themselves to create future bags or other rPET-based products, promoting a true circular economy.



Strength and Durability

In addition to being eco-friendly and environmentally sustainable, rPET fabric offers superior tensile strength, making it ideal for heavy-duty FIBC bulk bags that require higher load-bearing capacity. Its excellent UV-B resistance ensures durability even under prolonged sunlight exposure, reducing the risk of degradation over time. Additionally, rPET is more abrasion-resistant compared to polypropylene, offering longer-lasting performance in rugged environments. These enhanced properties make rPET the better choice.



Reduced Bulging

rPET has a higher tensile strength than PP, allowing **Sustainabulk** bags to maintain their square shape with less bulging.



UV Protection

rPET has superior UV resistance and can last 2-3 times longer than untreated polypropylene when exposed to UV rays.



Abrasion Resistance

In addition to less bulging, rPET bags hold up better to abrasion than polypropylene bags due to their higher tensile strength.

The Gravis Experience

Building A Strong Relationship

Our sales team works with you on-site to learn your processes and identify packaging challenges we can solve.

The Right Solution Everytime

Our engineers work with your team and our manufacturing partners to design a perfect custom solution for you.

A Reliable Long-Term Partner We work closely with you to manage orders, track inventory and maintain

orders, track inventory and maintain the level of quality you expect from Gravis.

Locally Managed Inventory

With more than a dozen warehouses in North America, your products are accessible when you need them.

GRAVIS

Trusted by Small Businesses and Fortune 500 Companies for More Than 50 Years