



PP Body Fabric



PP Filler Cord



PP Document Pocket



PP Liner



PP Stitching Thread



PP B Lock



Fully Recyclable in a Single Go



Emmbi EcoSafe: FIBCs Designed for Sustainability

When an FIBC is manufactured using a combination of multiple polymers, its recyclability is compromised. The product cannot be recycled without first separating the polymers, a process that is quite expensive due to the high cost of the required equipment. This makes recycling an impractical solution, leading to the plastic often ending up in landfills. Additionally, the lack of cutting-edge technological advancements in this field further hinders the feasibility of recycling these materials.





Complete FIBC made by PP / PE

At Emmbi, we produce products using a single homopolymer called “Raffia Grade Polypropylene.” We utilize a special technology known as “Texture Management,” which allows us to create products from the same homopolymer with varying levels of hardness and softness. This ensures that recycling remains feasible with the existing technology. Emmbi can manufacture all spare parts and FIBCs using a single homopolymer, which we call “Emmbi Eco-safe.” The wide range of Emmbi Eco-safe products offers all the benefits of polymers at a very reasonable price. They are sustainable at their core due to their recyclable nature!

FIBC Composition Table



Components	Conventional Process	Emmbi Way
Body Fabric	Polypropylene	Raffia Grade PP / PE
Liner	Low Density Polyethylene	Raffia Grade PP / PE
Stitching Thread	Polyester	Raffia Grade PP / PE
B Lock	Nylon	Raffia Grade PP / PE
Filler Cord	Crimped Polypropylene	Raffia Grade PP / PE
Document Pocket	Low-Density Polyethylene	Raffia Grade PP / PE





Advantages

- Products made with a single homopolymer design
- Made completely from PP / PE as opposed to multiple polymers
- No separation required during recycling
- All products can be custom made with an EcoSafe design

