

Sustainable Packaging & Circular Economy Roadmap

EPR Compliance, Mono-Material Design & Recyclability Standards

1. Executive Overview & Technical Scope

As environmental regulations evolve, TopWay Packaging is advancing circular industrial packaging. This comprehensive guide details our mono-material design principles, Extended Producer Responsibility (EPR) reporting protocols, and recyclable solutions across paper, PP, and HDPE packaging.

2. Technical Specifications & Grade Parameters

Packaging Substrate	Current Recyclability	Circular Solution	Recycled Content (PCR)	End-of-Life Stream
Corrugated Cartons	100% Recyclable	Unbleached kraft + water-based adhesives	High Post-Consumer content	Standard Paper Recycling
PP Woven Sacks	100% Recyclable	Mono-material PP tape + PP lamination	Process PCR options	Industrial Plastics Reprocessing
HDPE Jars & Canisters	100% Recyclable	Mono-resin HDPE container + compatible cap	PCR compatible blends	Rigid Container Granulation
BOPP Laminated Sacks	100% Recyclable	All-PP compatible extrusion layers	Optimized raw material	Thermoplastic Compounding
Non-Woven Bags	100% Recyclable	100% Virgin Spunbond PP	100% Reprocessable	Thermoplastic Molding

3. Engineering Features & Operational Advantages

- **Design for Recyclability (DfR):** Eliminating incompatible composite layers to enable mechanical recycling.
- **Extended Producer Responsibility (EPR):** Technical declarations provided for seamless CPCB portal compliance.
- **Source Reduction & Lightweighting:** Optimizing bottle and carton resin weight without compromising load strength.

4. Commercial Compliance, Registration & Sustainability Credentials

- **100% Recyclable:** Mono-material product architecture engineered for closed-loop sustainability.
- **Government Recognised:** Established industrial manufacturing adhering to statutory guidelines.
- **GST Registered & IEC Code:** Official commercial entity with verified tax and import-export credentials.

Commercial Inquiries & Custom Specifications:

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