



POLYTEC

POLYTEC PACKINS (INDIA) PVT. LTD.

Sustainability Report 2025-26

This sustainability report highlights the environmental commitment of Polytec, focusing on the circular nature of Expanded Polyethylene (EPE) and the company's operational efficiency in Bengaluru.

Sustainability Snapshot: Polytec

Reporting Period: 2025-2026

Core Mission: Delivering high-performance protective packaging with a zero-waste philosophy.

1. Material Circularity & Innovation

At the heart of Polytec's sustainability strategy is the use of **Expanded Polyethylene (EPE) Foam**. Unlike traditional single-use plastics, EPE is a high-value thermoplastic.

- **100% Recyclable:** EPE can be melted down and repurposed into new foam products or plastic resins multiple times without significant degradation of quality.
- **Reduced Material Footprint:** The high strength-to-weight ratio of EPE buffers and cushions means less material is required to protect heavy electronics and industrial components, reducing the overall mass of the supply chain.
- **Alternative Solutions:** Offering PP Corrugated Boxes and XLPE (Cross-linked Polyethylene) options to provide durable, multi-trip packaging that replaces short-lived cardboard or low-density films.

2. Resource-Efficient Infrastructure

Operating out of a 40,000 sq. ft. facility in the Kumbalgotu Industrial Area, Polytec integrates lean manufacturing to minimize environmental impact:

- **Densification Technology:** Our infrastructure includes specialized equipment for densifying foam scrap. By compressing production waste on-site, we reduce the volume of material for transport, significantly lowering the carbon footprint associated with recycling logistics.
- **Clean Production:** EPE manufacturing is a low-emission process that does not utilize CFCs or other ozone-depleting gases.
- **Lamination Efficiency:** Advanced film lamination equipment ensures maximum adhesion with minimal chemical bonding agents, improving the purity of the material for future recycling.



For Polytec Packins (India) Pvt. Ltd

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3. Supply Chain & Logistics

Polytec's strategic location in South Bangalore allows for optimized "Last Mile" delivery to the Electronics and IT clusters.

- **Proximity Advantage:** By being centered near major industrial hubs, we minimize transport emissions and fuel consumption for local deliveries.
- **Protective Integrity:** High-quality EPE cushions prevent product damage during transit. Reducing "return-and-replace" cycles is a critical, often overlooked component of a sustainable supply chain.

4. Future Commitments

Polytec is continuously evolving to meet global ISO standards and environmental expectations. Our roadmap includes:

1. **Closed-Loop Partnerships:** Working with clients to collect and re-process used EPE buffers.
2. **Energy Optimization:** Auditing our 40,000 sq. ft. facility for potential solar integration and LED lighting upgrades.
3. **Waste Diversion:** Maintaining a target of 95%+ factory waste diversion from landfills through intensive on-site segregation.

Polytec | Protective by Nature, Sustainable by Design

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