E-Commerce and Delivery Packaging Waste

Mao Da
Figure 1-1 Statistics on the volume of express delivery in China
Figure 1-2 Statistics on the types of express packaging materials in China (according to the volume of waybills, 2018)
Figure 1-6 Consumption of Plastic Materials in Delivery Packaging

- Plastic film: 62.90%
- Polywoven bag: 6.42%
- Plastic filler: 18.61%
- Adhesive tape: 13.00%
- BOPP packaging
2010: 611.5 kt
2018: 13,031 kt
2025E: 57,061 kt

Figure 3-1 Carbon Emissions in Delivery Packaging’s Life Cycle
705 Chinese Yuan/ton!

Figure 4-1 Landfill Costs of Delivery Packaging Waste

图 4-1 快递包装废弃物填埋处理成本
Figure 4-2 Costs and Benefits of Delivery Packaging Waste Incineration

511 Chinese Yuan/ton!

Costs (Million Yuan)

Benefits
Environmental Cost
Cost of Land Occupancy
Infrastructure and Operation Costs
Cleaning Fee

图 4-2 快递包装废弃物焚烧处理成本和效益