

Corrugated Plastic Containers For Conveyor Systems

Why Choose Polypropylene Boxes?



Built to Last

Engineered to endure over **100 uses**, compared to just **1–3 uses** for standard cardboard containers.

That's up to **97% fewer replacements** over the product's life.



Easy to Clean & Sanitize

Fully washable and **dishwasher-safe**, unlike cardboard which weakens and warps when wet.



Lower Cost Per Use

Cardboard container:
\$0.30 per use (avg)

Polypropylene box:
 $\$5.00 \text{ initial cost} \div 100 \text{ uses} = \0.05 per use

Up to **80% cost savings** over time.



Better for the Environment

One polypropylene box replaces up to **100 cardboard boxes**, preventing **10-15lbs of waste** per tray lifecycle. Plus, each box is 100% recyclable at the end of its life.

Learn more about
PP boxes at mdi.org



Polypropylene vs Cardboard



When comparing **cardboard containers** and **polypropylene boxes** in terms of reusability, several factors come into play including durability, cleaning, environmental impact, and typical use cases:



Factor	Cardboard Container	Polypropylene (PP) Box
Durability	Low—easily damaged by moisture, tearing or crushing	High—resistant to impact, moisture and chemicals
Washability	Not washable —weakens with water or cleaning agents	Washable—withstands repeated cleaning with soap or disinfectant
Intended Use	Often single-use (unless specially treated or laminated)	Designed for multiple uses, even hundreds of cycles
Reusability Lifespan	1-3 uses at most	50-100+ uses depending on conditions
Environmental Impact	Biodegradable, recyclable (if clean and untreated)	Recyclable but not biodegradable—long-lasting plastic
Cost Per Use	Low initial cost, high turnover	Higher upfront cost, lower cost over time
Typical Use Cases	Shipping, food delivery, takeout	Food service, medical trays, reusable packaging