



MEPA PACKAGING

حلول ميبا لصناعات التعبئة والتغليف



Our **biodegradable color masterbatch** is engineered to provide vibrant color while respecting the environment. It is the ideal choice for brands committed to sustainability.



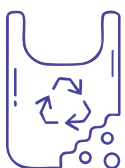
1

Biodegradable Color Masterbatch

- **Carrier Resins:** PBAT, PLA
- **Recommended Dosage:** 2-4%
- **Industry Certifications:** TUV EN13432, BPI ASTM D6400
- **Common Applications:** Perfectly suited for single-use items like plastic bags, agricultural mulching films, disposable cutlery, as well as 3D printing filaments and coffee capsules.



BENEFITS



Natural Decomposition

Under natural environmental conditions, our masterbatch decomposes into water and carbon dioxide within a few months, driven by the natural erosion and decomposition by bacteria.



Reduced Environmental Footprint

Significantly lowers environmental impact by mitigating landfill waste, reducing risks to wildlife, and minimizing the generation of microplastics.

Vibrant Colors, Unmatched Performance

2

Black Masterbatch

- **Carbon Black Concentration:** 10-40%
- **Carrier System:** Universal
- **Recommended Dosage:** 1-4%
- **Compatible Polymers:** PP, PE, PS, PC, PA, POM, ABS
- **Processing Suitability:** Injection, Film, Extrusion, Compound



3

White Masterbatch

- **TiO2 Concentration:** 50-70%
- **Carrier System:** PE
- **Recommended Dosage:** 1-4%
- **Compatible Polymers:** PP, PE, TPE, PS, ABS, EVA
- **Processing Suitability:** Injection, Film, Extrusion, Compound



4

Color Masterbatch

- **Carrier Systems:** PE, PP, ABS, PET, PS, AS, PC, HIPS, EVA, etc.
- **Recommended Dosage:** 1-4%
- **Compatible Polymers:** PP, PE, TPE, PS, ABS, EVA, PET, HIPS, PO
- **Processing Suitability:** Injection, Film, Extrusion



Benefits:

- **High Dispersion:** Guarantees uniform and consistent color distribution.
- **Purity and Brilliance:** Formulated to be free of impurities for a bright and vivid appearance.
- **Broad Compatibility:** Engineered for excellent integration with a wide array of polymers.
- **Remarkable Color Intensity:** Achieves rich, saturated colors at low dosage levels.

Specialty Compounds for Demanding Applications

5 Glass Compound (PP+Glass Fiber)

- **Typical Uses:** Washing machine drums, automotive bumpers, various household appliances.
- **Performance Enhancements:**
 - Significantly reduced shrinkage rate and increased rigidity.
 - Resistant to stress cracking, with strong impact resistance and tensile strength.
 - Maintains integrity under high temperatures.



6 TPU Compound (Thermoplastic Polyurethane)

- **Typical Uses:** Footwear, sports equipment, medical devices, automotive parts.
- **Performance Enhancements:**
 - Combines high elasticity with exceptional wear resistance.
 - Offers robust anti-aging and oil resistance for long service life.



7 TPE Compound (Thermoplastic Elastomer)

- **Typical Uses:** Mobile phone shells, watchbands, and other consumer electronic components.
- **Performance Enhancements:**
 - Features high elasticity, coupled with excellent ageing and oil resistance.
 - An environmentally friendly and non-toxic material.
 - Provides excellent colouring properties for versatile design options.

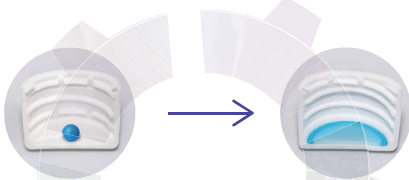


PVC-Free Closure Solutions

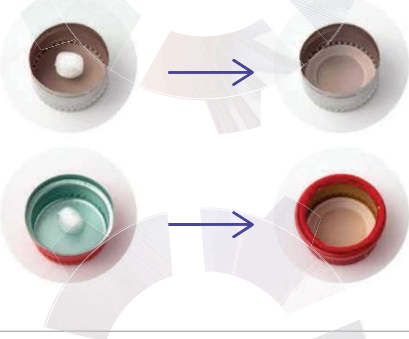
At **MEPA Packaging**, we offer high-performance, non-PVC sealing compounds for the global closure industry through our strategic partnership with **Kuanyeh Enterprises Co., Ltd.**, a pioneer in eco-conscious closure technologies since 1988, and our PVC-free liners meet stringent global food-safety standards, including U.S. FDA and EU regulations.

Compatible Closure Types

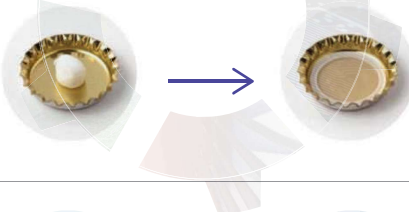
Plastic Caps



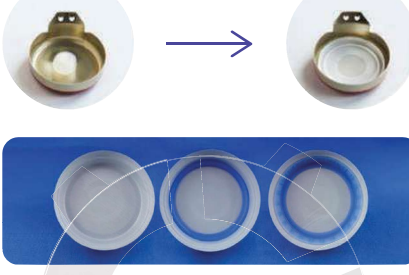
Aluminum ROPP Closures
(28mm / 38mm, glass & aluminum type)



Crown Corks



Ring-Pull & Lugged Caps



Specialty Applications
(medical stoppers, lip gloss caps)



Key Benefits



100% PVC-Free – No dioxin emissions, no plasticizers



Excellent sealing under pressure & temperature variation



Custom liner development available



Suitable for carbonated drinks, juices, water, beer, tea, isotonic drinks, and more

Why It Matters

Consumers and regulators are increasingly demanding sustainable, health-conscious packaging. Non-PVC liners eliminate harmful leaching, reduce environmental risks, and align your brand's global eco-trends.

Contact us today to learn more or request a sample.

PET Resin

Clarity, Strength & Safety for Bottles

Our virgin PET resin is engineered for beverage bottles, edible oil bottles, films, and thermoformed containers—delivering consistent processing, crystal clarity, and taste neutrality while remaining 100% recyclable



At a glance: bottle grade PET for water, CSD, oil & hot fill applications.



- **Grades & IV (typical):** Water (~0.80 dL/g), Oil (~0.83 dL/g), CSD (~0.87 dL/g), Hot fill (~0.78 dL/g).
- **Processing Suitability:** Suitable for preform injection, stretch-blow molding, as well as film and thermoforming.
- **Typical Uses:** Water and sparkling drinks, edible oil, personal care bottles, film, and sheet packaging.
- **Quality Highlights:** Low acetaldehyde (taste neutrality), stable viscosity, bright color value.
- **Safe for Food Contact:** PET is inert and approved by global health and safety agencies for food and beverage use.
- **Eco-Friendly Choice:** r-PET (PCR) available from top producers.



BENIFITS



Crystal Clarity & Gloss

Ensures premium shelf appeal for high-end packaging.



Neutral Taste

Low acetaldehyde (AA) content makes it perfect for water and soft drinks.



Reliable Throughput

Offers a broad processing range and consistent IV for dependable performance.



Light, Strong & Recyclable

Helps your brand achieve its circular packaging goals.



Wire Containers

Easy to Fold, Easy to Stack,
Fully Prepared for Production Use

Strong **wire containers** made for storing, handling, and moving PET preforms. They help your production line run smoothly, keep PET preforms safe, and save space in the warehouse and on return trips.



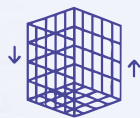
KEY SPECIFICATIONS

Standard Size / Capacity:

- 1200 × 1010 × 1200 mm;
- Safe working load up to 800 kg.
- Grid 62 × 125 mm;
- Wire Ø5–Ø12.
- Loads 168 sets per 40HQ.
- Material Q235 mild steel.

- **Stacking & Storage:** Collapsible design; stack up to 4–6 high to maximize space.
- **Access & Handling:** Half drop gate for fast batch access; forklift friendly; optional casters for easy mobility. (hmlrack.com)
- **Finish Options:** Zinc plated, hot dip galvanized, or powder coated for long service life. (HML Wires)
- **Preform Protection:** Optional PP sheets/liners keep small parts from escaping and cushion preforms; lids and dividers are also available.

BENIFITS



Space Saving Logistics

Can be folded when empty for easy returns, Stack safely to save floor space.



Protects Preforms & Keeps Them Clean

The smooth mesh and optional PP liners/lids prevent scratches and lost pieces.



Built to Last

Made from strong galvanized or powder-coated steel that can be fully recycled.

Reach out to **MEPA Packaging**
now for a customized solution
tailored to your project needs.

اتصل بنا • Contact Us



Dubai UAE
دبي، الإمارات العربية المتحدة



+971508671543



contact@mepapackaging.com



www.mepapackaging.com