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cosmopak

sustainable packaging initiatives

sustainability is the future

The cosmetic industry is making a dedicated pledge to improve sustainability.

- 68% of consumers are more conscious of packaging materials versus five years ago
- Environmental impact is the second most important criterion (31%) for packaging choice after ease of use (60%)

The Sustainable Packaging Initiative for Cosmetics has a stated goal to measure and improve the environmental performance of packaging:

- Guiding sustainable packaging policy and development
- Driving packaging innovation
- Meeting consumer expectations



our commitment

We believe that investing in sustainability is not only a moral and ethical imperative, but a sound business decision.

To that end, we have implemented initiatives based on a written policy starting in 2018 to better serve both the planet and our customers. DMR Cosmopak's business includes paper packaging, cut & sew bags, primary packaging and formulation.



we have solutions

Our environmental initiatives span four primary categories.



Post Consumer Recycled Plastic (PCR)

PCR plastic reduces energy use, solid waste, and CO2 emissions by 50-80% compared to virgin plastic



Reusable & Refillable Products

Create beautiful outer packaging with recyclable/ recycled refill cartridges



Bio Based Plastic

Plant based byproducts (primarily corn and rice husk), represent a significant portion of the package, reducing petroleum based plastic usage



Recyclable Products

Avoiding styrene and using single materials that can be recycled after use without contaminating streams

quantifiably sustainable PCR

Post Consumer Recycled (PCR) plastic is processed resin from consumer sources. Cosmopak obtains recycled materials from suppliers in China, Japan and Taiwan.

recycled resin
% reduction
from virgin

- 88%** less total energy
- 71%** less global warming
- 50%** less smog
- 46%** less water consumption
- 23%** less solid waste



PCR options

Polypropylene (PP)

- Typically sourced from consumer thermoform and blow molded products (yogurt cups, drink cups, clam shells, jugs, bottles etc)
- Limited to darker colors
- Available for injection molded, extrusion blow and injection blow items
- MSDS available showing safety levels on par with virgin materials

Polyethylene Terephthalate (PET)

- Available for injection molded and injection blow items
- Suitable for clear components (i.e. lip gloss bottle), when mixed with virgin
- Suitable for bright colors
- Precise mechanisms (i.e. lipstick) available that historically used styrene

High Density Polyethylene HDPE

- Suitable for tubes and larger blow molded bottles
- Can be outer layer of 5 layer tube (approximately 30% PCR by weight)
- Cosmopak provides a % PCR claim based on weight



bioplastic

Cosmopak's bioplastic is up to **60% plant based byproduct** and primarily corn and rice husk.

Bioplastic can be mixed with HDPE to create a strong, shelf stable cosmetic package. Cosmopak is investigating using rHDPE instead of virgin to improve the sustainability of the package further.

Bioplastic Qualities

- straw, corn and rice husk materials are biodegradable under normal environmental conditions. Cosmopak is currently undergoing testing on the effect of HDPE to the biodegradability conditions of the package
- SGS test shows no hazardous conditions for the corn & rice husk
- 'Woody' scent can be altered using natural fragrances and colorants available (and associated MSDS)
- Unique hand feel
- Regular and soy-based colorants can be injected
- Limited to silk screen printing



quality guaranteed

Cosmopak's testing has found no significant functional issues with PCR materials.



Weight Loss

performed with PCR PP and PET components on both anhydrous and water based formulas

- Test initiated 1/9/2019 - no material weight loss noted as of 2/7/2019



Leak

testing performed on PCR PET components at 0.08Mpa

- Components showed no moisture migration or leakage on the thread



MSDS

available on all materials offered (PP, PET, Bioplastic) and colorants

- Hazardous materials at or below the levels of standard virgin plastic materials

innovation

Cosmopak has development the following collections highlighting the latest trends in packaging and formulation, featuring innovation around sustainability and function.



mindful beauty collection



cosmetic components and brushes
featuring bioresin, recyclable paper
palettes, and CBD products

terra collection



eco friendly solutions featuring refillable jars
and airless pumps

clean collection



100% recycled and recyclable
lipsticks, jars, vials and pumps

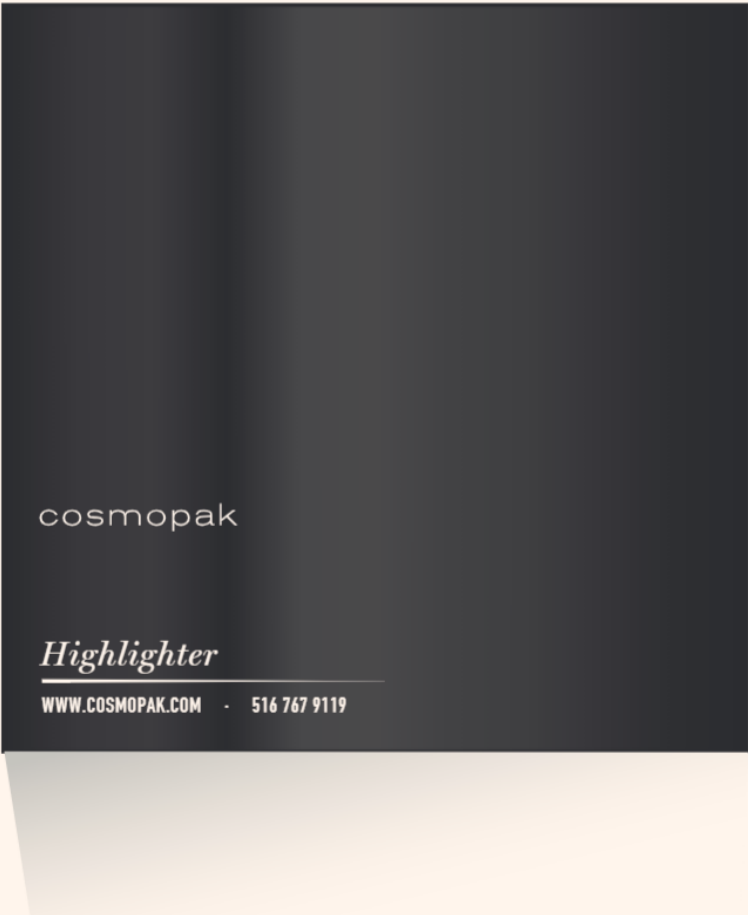
blue water collection



100% PCR pumps, sticks, and tubes,
featuring recycled PP, HDPE and PET

renderings

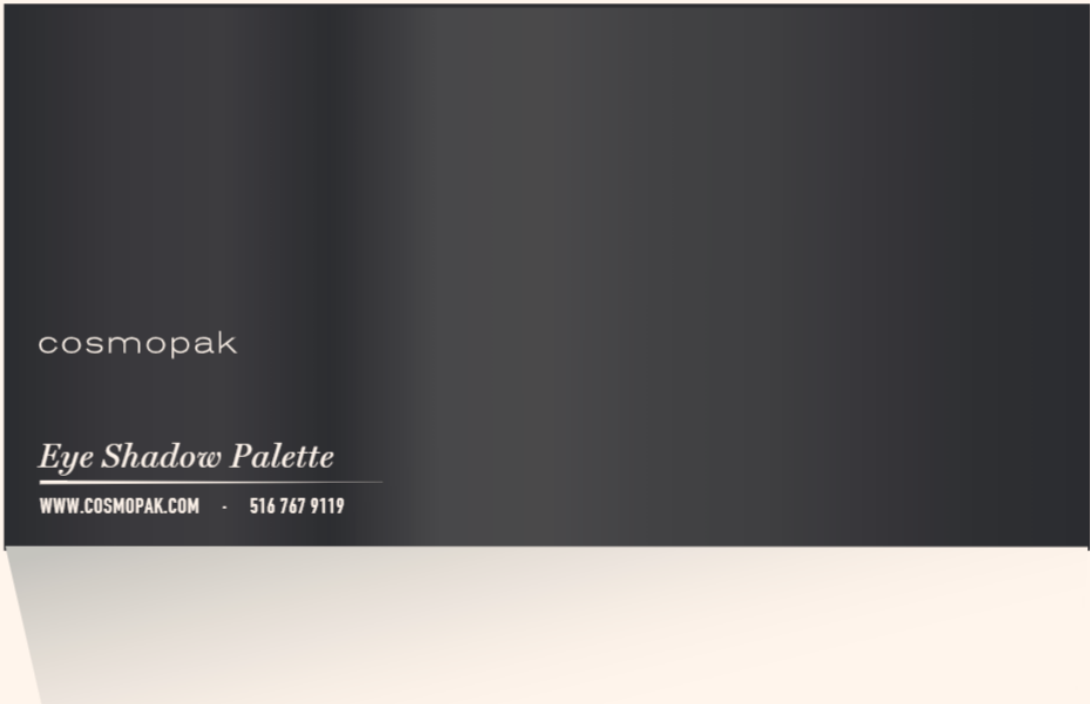
Note: Approximate pricing including 1 pass deco



CP-F040
Highlighter Compact
(~\$0.82 in PCR or Bioplastic)



CP-F105
Eyeshadow Single
Well Compact
(~\$0.56 in PCR or Bioplastic)



CP-G038
Eyeshadow / Lip Compact
(~\$0.75 in PCR or Bioplastic)

renderings

Note: Approximate pricing including 1 pass deco



VP-D046
IBM Vial
(~\$0.45 rPET)



VP-D027
IBM Vial
(~\$0.32 rPET)



VP-F104
Thick Wall Vial
(~\$0.44 rPET)



VP-F004
IBM Vial
(\$0.29 rPET)



BP-G011
PET Pump
(\$0.70 rPET)



VP-F070
Chubby Vial
\$0.55 rPET



JC-E029
25g Stick
\$0.73 rPP



JC-E013
5g Stick
(\$0.51 rPP)

A close-up photograph of a woman with voluminous, curly, reddish-brown hair. She is wearing a black headband and has her eyes closed, smiling slightly as she applies a thick, white cream to her face with both hands. The cream is visible on her cheeks, nose, and chin. The background is a plain, light-colored wall.

thank you

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