

PCR BRINGS MEANING TO YOUR PACKAGING

FROM SUSTAINABILITY GOALS TO MEETING CONSUMER DEMANDS,
POST-CONSUMER RESIN IS THE RIGHT CHOICE FOR YOUR BRAND



PRETIUM

SOLUTIONS FOR A SUSTAINABLE FUTURE



POST-CONSUMER (RECYCLED) RESIN IS AN ATTAINABLE AND MEANINGFUL MATERIAL CHOICE

Whether your brand's sustainability goals are driven by a desire to protect the environment or a need to comply with government or retailer requirements, *post-consumer resin* (PCR) is one of the fastest, easiest and most impactful ways to put your product into a more sustainable package. It's among the most-preferred and most-recognized *sustainable packaging solutions* with consumers.



CHOOSE THE RIGHT PERCENTAGE OF PCR FOR YOUR GOALS



VIRGIN PET



30% PCR



50% PCR



100% PCR



Choosing the optimal PCR percentage for your packaging depends on several factors, and may require a balance between aesthetics, cost and external requirements or legislation. That's why Pretium has settled on **THREE STANDARD PCR PERCENTAGES** for PET and HDPE resins to help brands quickly move from virgin resin to recycled content:



30% PCR is ideal for customers who need to have some recycled content but want to minimize any issues with appearance or upcharges. We landed on 30% PCR since some states are moving to this minimum threshold in the near future, even if they only require 10% to 25% PCR now.



50% PCR exceeds most states' and retailers' requirements for PCR percentages, and demonstrates your brand's commitment to do more than the minimum requirement. Aesthetic impact at 50% PCR is acceptable for most brands, even in white and clear PET PCR.



100% PCR, in both PET and HDPE resins, makes a bold statement to consumers and shows your brand is all-in on making a positive impact. Brands should expect slight color variations from lot to lot in their PCR resin, but this only enhances your authenticity to consumers.

Pretium can also offer **POST-CONSUMER POLYPROPYLENE (PP)** for jars and closures. PP PCR may be limited to 30% in most components due to the physical properties of the PP PCR resin.

FREQUENTLY ASKED QUESTIONS ABOUT PCR

Q: WHY IS THERE AN UPCHARGE FOR PCR?

The post-consumer resins Pretium uses all come with FDA letters of non-objection (LNOs) and are safe for food contact. To obtain that designation, the resin must be collected, sorted, cleaned, ground, melted, recrystallized and/or repelletized all according to processes approved by the FDA. There are very few converters equipped to put recycled bottles through this rigorous process, so there is a premium for the high-quality post-consumer resin they produce.

Q: DO I NEED TO DO STABILITY TESTING IF I SWITCH TO PCR?

That depends on your product and any certifications you require. Most products probably do not need to undergo stability testing because the post-consumer versions of PCR and HDPE are very similar to virgin resin and perform similarly. But if you have FDA filings or other pharma or OTC requirements, we recommend you conduct stability testing. Stability testing is the responsibility of the customer.

Q: WHAT IF I NEED PCR PERCENTAGES OTHER THAN 30, 50 OR 100?

Pretium can accommodate PCR percentages other than our three PCR standards, but there may be higher MOQs or additional purge fees. Please consult your Pretium Account Manager for details.

Q: WHAT IS THE DIFFERENCE BETWEEN PCR AND OCEAN-BOUND PLASTIC?

All certified ocean-bound plastic (sometimes incorrectly referred to as *ocean plastic*) is post-consumer resin, but not all PCR is considered *ocean-bound*. Pretium's sources for certified ocean-bound resin collect their feedstock in specific geographies where ocean waste is prevalent and recycling facilities are scarce. Like all resins used in Pretium's manufacturing processes, our ocean-bound PCR carries a letter of non-objection from the FDA, is third-party certified, and is safe for food contact. If you are interested in these resins, please specify "Ocean-Bound" when you ask for a quote, as the resin is typically more expensive than PCR collected from traditional sources.



For more information, visit www.pretiumpkg.com/sustainability or contact LISA HUETT at lisa.huett@pretiumpkg.com.

DESIGN FOR RECYCLABILITY WITH THESE CONSIDERATIONS

Choosing post-consumer resin is a huge step in the right direction, but what if you also want your packaging to be **FULLY RECYCLABLE** again?

Pretium relies heavily on the **APR DESIGN GUIDE** to help customers design PET and HDPE packaging that can be part of a *circular economy*, over and over again. While the APR guidelines do evolve, we know that the color of your packaging, the type of labeling or printing you choose, and the inclusion of certain additives can either increase or decrease the chance of your packaging being accepted at recycling facilities. Our *team stays informed* about what APR considers problematic, and helps you make **THE BEST CHOICES IF RECYCLABILITY IS A PRIORITY.**



OUR GLOBAL TEAM IS HERE TO HELP

Pretium has more than *two dozen manufacturing facilities* across the globe, and every one of them has some experience running post-consumer resins. Our Sustainability and ESG team is *well-versed in resin certifications* in the United States, Canada, Mexico and Europe, and can help multinational manufacturers source PCR materials that are accepted in each of those regions.

SUSTAINABILITY AT PRETIUM

Pretium has taken many *important steps* toward our near-term and long-term sustainability goals, including increasing our use of post-consumer resin, embracing sustainable manufacturing practices and minimizing our use of non-recyclable materials. Some *recent highlights* include:



Creating a **NEW SUSTAINABILITY AND INNOVATION DIVISION**.



Implementing customer and supplier **SUSTAINABILITY AWARDS** to encourage more sustainable actions across all partnerships.



Calculating our **SCOPE 1 & 2 GHG EMISSIONS** for all operating locations in 5 countries.



Committing to established goals in line with the Science-Based Target Initiative (SBTI) **NET ZERO EMISSIONS GOAL BY 2050**.



Measuring energy usage in real time through the **INSTALLATION OF GUIDEWHEEL TECHNOLOGY** on every line so we can make strategic decisions for production efficiencies.



Keeping single-use packaging to **LESS THAN 1%** of our overall production.



Performing **LIFE CYCLE ANALYSIS** by licensing Compass software to accurately calculate a product's environmental impact at all stages of the package's life cycle.

PRETIUM
PACKAGING IDEAS INTO YOUR SOLUTIONS

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