



All-PE pouch contains TF-BOPE and 25% PCR for laundry packaging

PCR and TF-BOPE create an all-PE pillow pouch

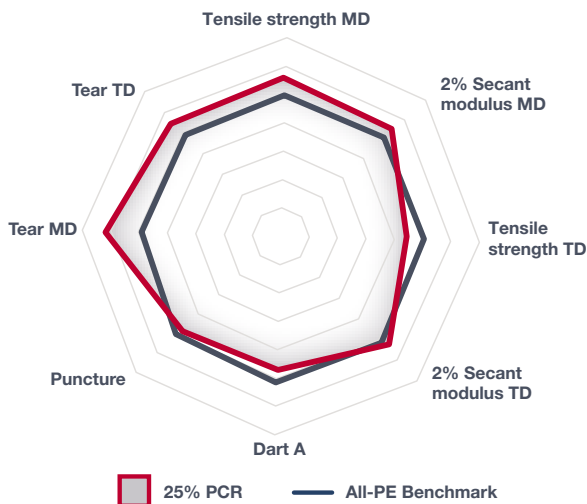
Two things brand owners seek as sustainability targets are recyclable packaging and recycled content in their packaging. Imagine a solution that offers both!

As part of its commitment to helping customers create sustainable solutions, Dow has developed full polyethylene (PE) pillow pouches that include 25% recycled PE content, which is suitable for non-food applications, e.g., detergent powder.

The pouches also feature the innovative INNATE™ TF Polyethylene Resins for tenter frame biaxial orientation, adding another dimension of performance and value, including exceptional strength, processing efficiencies, and downgauging potential.

Together, these resins offer distinctive advantages to the value chain:

- Formulated PCR offering allows customizing to desired specifications for strong protection
- Provides excellent packaging performance – similar to incumbent films made with virgin resin
- PCR incorporation enables better sustainability profile:
 - lower carbon footprint
 - reduced energy consumption
- Enables material conversion to mono-material (all-PE) recyclable structure:
 - BOPA to BOPE
 - Possible elimination of foils or thicker polyolefin films



Material substitution

TF-BOPE
Blown PE with PCR

Consistent. Dependable. Ready.

To ensure a dependable supply of consistent high-quality PCR, Dow maintains agreements with regional recycling partners to provide locally sourced PCR.

The resources of **Pack Studios Shanghai** aided in this innovation, including overall product development, film trials and packaging tests. We welcome collaborative efforts toward additional commercial applications for this new technology.



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