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TITLE

PET/POLYESTER SAME MATERIALS FOR A NEW ERA: CHEMICAL RECYCLING FOR PLASTIC CIRCULARITY

ABSTRACT

Packaging nowadays is commonly seen in the news as something negative that we should avoid. But packaging has a fundamental function: protect and preserve food. With a growing world population, the food caring is more and more important, and packaging will play a big role. The managing of packaging in term of waste need a lot of effort from different players, consumers, government and companies. New technologies need to be developed to make packaging affordable for humans and for the environment. Among these chemical recycling of PET is one of and during my presentation I will show how it works and how the end of life of packaging will beneficiate of this kind of processes. But is packaging alone within this problematic? Or other markets share the same issues with the packaging industry? Textile! and especially polyester textiles can benefit from the technologies used to process PET because, being the same molecule, the chemical recycling can bring infinite life to textiles as well. With the technology I will present I will show how using the same process the textile can be processed and recycled infinitely.

Packaging and textile, and especially multi-materials in polyester will experience in the next years a new era when they play the role of a polymer for circularity.