

How to? High Quality Packaging with Recycled Content



The trend towards integrating recycled polymers into packaging is accelerating, with numerous companies targeting up to 25%–50% recycled content in plastic packaging. The key challenge lies in adopting recycled polymers without sacrificing the quality of the final product.

Exxon Mobil's

high-performance polymers are designed to stand up to the challenge!

ExxonMobil's high-performance polymers are developed in order to overcome quality losses related to using recycled polymers and compensate batch-to-batch quality fluctuations, so common for recycled raw materials.

Shrink films with up to 50% PIR (post-industrial recycled)

Enable 4002 compensates the loss of holding force and improves shrink ability.

For the most demanding packaging applications

Exceed S delivers industry leading combination of stiffness and toughness, while being easy to process. This is the latest development in ExxonMobil's portfolio, that combines all three key properties in only one product.

ExxonMobil
Chemical

High quality packaging with up to 30–50% recycled content

Heavy Duty Sacks with up to 50% recycled PE

Exceed XP 8656, Exceed XP 8358 are go-to grades to boost toughness and impact resistance. **Exceed XP 8784** is improving sealing properties which normally become a challenge when incorporating recycled materials.

Stretch hood with up to 30% of PCR.

Exceed XP 7052 and Exceed XP 7021 are a good fit for stretch hood with recycled content. These products ensure high holding force for load stability and good elastic recovery.

Improving compatibility in cases of PE/PP contamination

Vistamaxx 6102 is a cost-effective solution for improving compatibility in PE/PP contaminated recycled raw material. Vistamaxx is also increasing impact resistance and ESCR in blow moulding applications.



High-Performance Polymers: Product Selector

	Toughness	Stiffness	Puncture resistance	Shrinkage	Tear resistance	Impact resistance	Sealing	Holding force	Typical types of packaging with implemented rec. PE
Enable 4002	•	•••		•••		•	•	•••	Shrink films
Exceed S 9243	•••	•••						••	Collation shrink
Exceed XP 8656	••	•	•	•		••		•	GP films
Exceed XP 8358	••	••		•		••	•	••	HDS
Exceed XP 8784	•••	•	••	•	••	•••	•••		HDS
Exceed XP 7052	••	•	•••	•	•••	•••	•••	•••	Stretch hood
Exceed XP 7021	••		•••	••	•••	•••	•••	•••	Stretch hood
Vistamaxx 6102			••		•••	•••	•••		Stretch hood, PE/PP compatibility