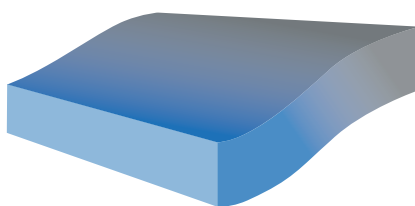


Upgrade recycle streams by using Vistamaxx™ performance polymers in blown film applications

Energy lives here™

Typical monolayer film structure containing:

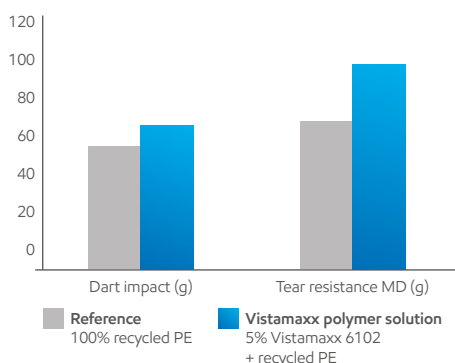


- Vistamaxx 6102
- Recycled PE
- ExxonMobil™ LLDPE

Thickness: 50 µm

High quality recycle streams

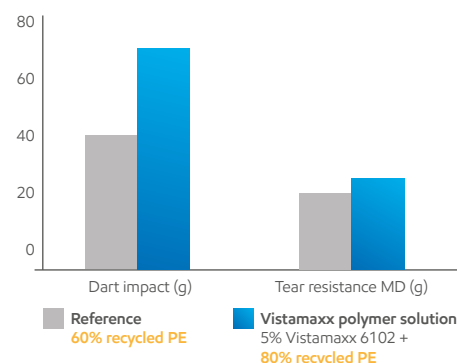
Figure 1: High quality PE-based agricultural recycle (30 µm monolayer)



Improved performance of recycle streams

Medium quality recycle streams

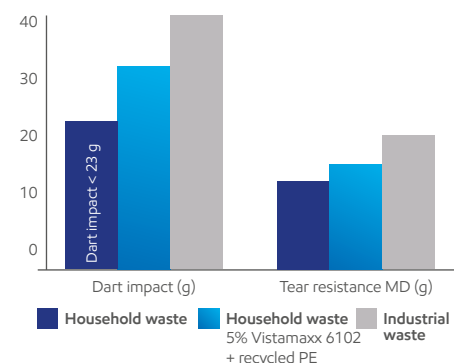
Figure 2: Medium quality PE-based industrial recycle (30 µm monolayer)



Increase recycle usage

Low performing recycle streams

Figure 3: Low quality household waste recycle (30 µm monolayer)



Blend-in PP recycle
Upgrade household waste
Processability impact

* Impact resistance by free-falling dart (Method A and B): based on ASTM D-1709. Elmendorf tear strength: based on ASTM D-1922-09

Vistamaxx grade	MFR 230°C/ 2.16 kg ExxonMobil method g/10 min	Density ¹ 23°C ASTM D1505, g/cm ³	Hardness 15 sec ASTM D2240, shore D/A	Tensile stress ¹ at break ASTM D638, MPa (psi)	Elongation ¹ at break ASTM D638, %	Flex mod ^{1,2} 1% secant ASTM D790 MPa (psi)	Tear strength ¹ Die C ASTM D624, kN/m (lbf/in)	Vicat softening point 200 g ExxonMobil method, °C (°F)
6102	3	0.862	67A	>7.58 (>1100)	>800	14.4 (2090)	33.3 (190)	53.9 (129)

1. All physical properties were measured on specimens cut from compression molded plaques per ASTM D4703, Procedure A, Type I and conditioned at 23°C for a minimum of 40 hours per ASTM D618 prior to testing.
2. 1% secant at break.

Creating differentiated solutions. Together.