



Vistamaxx™ Exact™

Rethink Recycle – from waste to value



Incorporation
of recycled
content



Product
and process
consistency



Improved
toughness
and tear
resistance



Enable use
cases with
added value

Data and results presented herein apply specifically to the noted application under this fact sheet. Your results may differ depending on factors such as operating conditions, equipment and materials used.

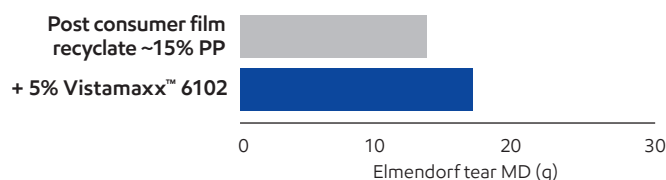
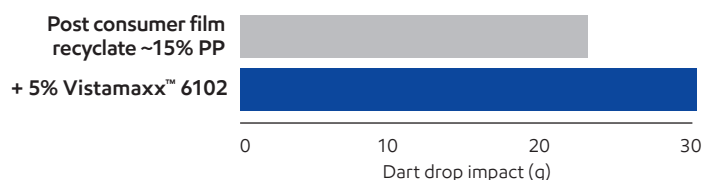
Vistamaxx™ performance polymers and Exact™ polyolefin elastomers are proven, cost-effective solutions that can enable recycling, targeting high-value applications.

Recycling of plastics is a global growth market. One of the main barriers to incorporating recycled content is the need for costly and time-consuming separation of incompatible plastics. By allowing incompatible PE and PP plastics to mix in the melt, Vistamaxx performance polymers or Exact polyolefin elastomer (POE) can reduce the need for separation and offers manufacturers the possibility of high-quality outputs, potential cost optimization due to increased recycle content, and potential access to new low-quality, low-cost recycled content sources.

Rethink Recycle with Vistamaxx™ performance polymers and/or Exact™ POE to help increase the incorporation of recycled content, improve performance and enable compatibilization of PE and PP.

Incorporated into film recycle applications

Upgrade of low quality PE recycle streams – household waste



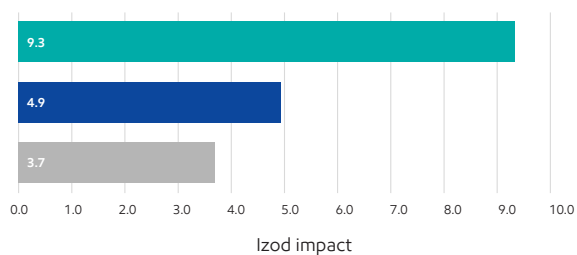
40%
higher dart impact

23%
higher tear resistance

Incorporated into rigid recycle applications

PP

Recyclate stream with 20% HDPE

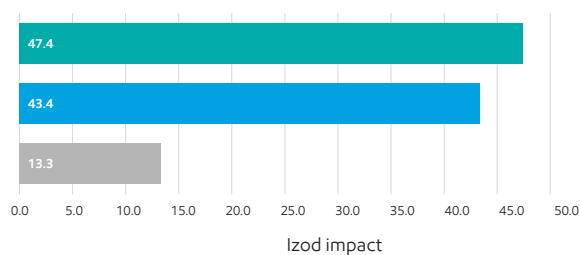


■ Recyclate reference (80% PP + 20% HDPE)
■ Recyclate reference + 10% Vistamaxx™ 6202
■ ExxonMobil performance polymer solution
Recyclate + 5% Vistamaxx 6202 + 5% Exact™ 5371

*Simulated recycle stream to control the variables

HDPE

Recyclate stream with 20% PP



■ Recyclate reference (80% HDPE + 20% PP)
■ ExxonMobil performance polymer solution
Recyclate + 10% Exact 5371
■ ExxonMobil performance polymer solution
Recyclate + 5% Vistamaxx 6202 + 5% Exact 5371

*Simulated recycle stream to control the variables

150%

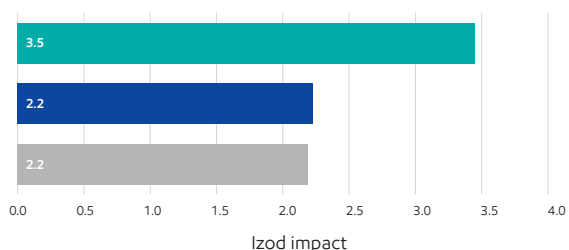
higher impact strength

250%

higher impact strength

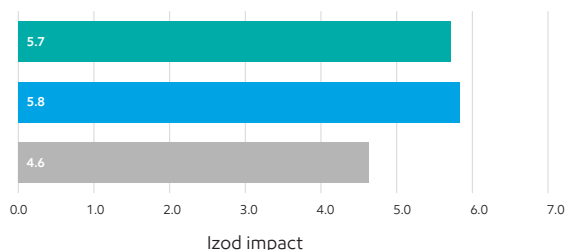
Cold temperature impact data

80% PP + 20% HDPE



■ Recyclate reference (80% PP + 20% HDPE)
■ Recyclate reference + 10% Vistamaxx 6202
■ ExxonMobil performance polymer solution
Recyclate + 5% Vistamaxx 6202 + 5% Exact 5371

80% HDPE + 20% PP



■ Recyclate reference (80% HDPE + 20% PP)
■ ExxonMobil performance polymer solution
Recyclate reference + 10% Exact 5371
■ ExxonMobil performance polymer solution
Recyclate + 5% Vistamaxx™ 6202 + 5% Exact 5371

Contact us for more information:

exxonmobilchemical.com/vistamaxx

ExxonMobil
Signature Polymers

Bring your impossible

ExxonMobil Signature Polymers was born from the belief that people fuel progress. From automotive and construction to packaging, agriculture, industrial, and beyond, we leverage the scale and reach of ExxonMobil to deliver the insights and innovations that empower our diverse, global partners to take their businesses to new heights. We continuously work to provide the listen-first, service-driven, game-changing collaboration that unlocks opportunities for our partners and advances their sustainability and business goals.



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