

Rethink Recycle

Vistamaxx™ performance polymers and Exact™ polyolefin elastomers are proven, cost-effective solutions that can enable low-cost 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 POE can reduce the need for separation and offer manufacturers the possibility of higher-quality outputs, potential cost reduction due to increased recycle content, and potential access to new lower-quality, lower-cost recycled content sources.

Key potential benefits



Increases
recycled content
incorporation



Reduces
input cost



Higher product and
process consistency



Improves toughness
and tear resistance



Enables higher
margin applications



Using HDPE recycle and
5% Vistamaxx polymers
provide a potential

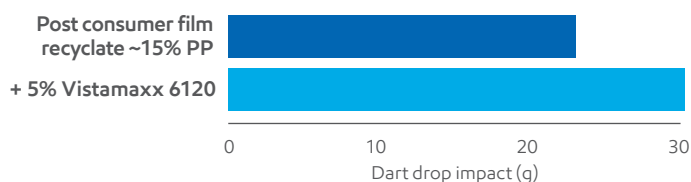
58%

cost savings over virgin resin.

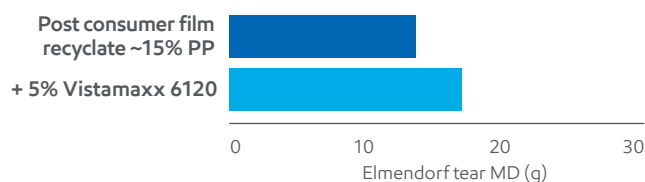
Rethink Recycle with Vistamaxx™ and/or Exact™ to help increase the incorporation of recycled content, improve performance and enable compatibilization of PE and PP.

Incorporated into film recycle applications

Upgrade of low quality PE recycle streams – household waste



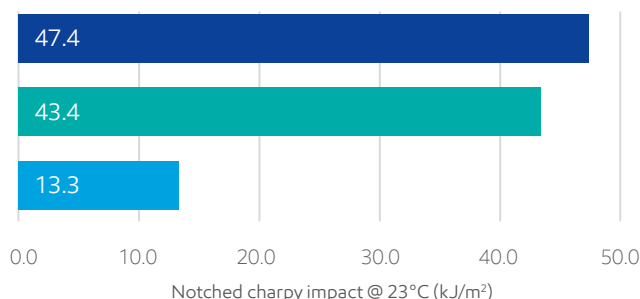
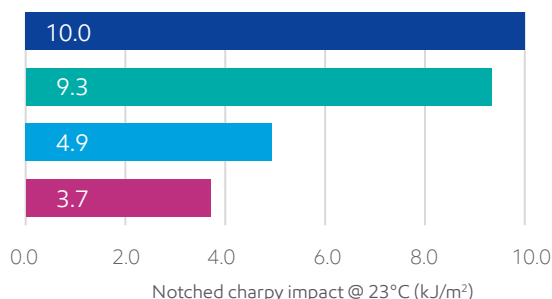
40%
higher dart impact



23%
higher tear resistance

In molded recycle applications

Upgrade of low quality recycle streams – household waste



150%
higher impact strength

250%
higher impact strength

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