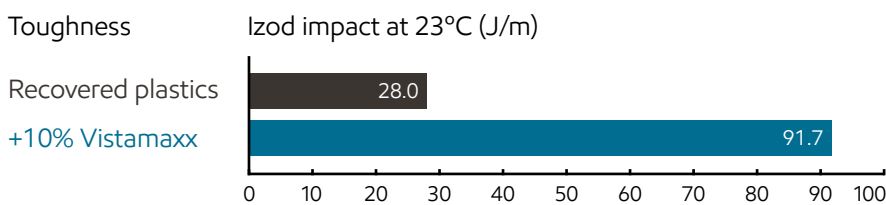


Rethink Recycle: Transform polymer waste from diapers to high-value applications

Recovered plastics from diapers are a mixture of different polymers, which limit recyclability due to incompatibility. Traditionally, plastics recovered from diapers have lost impact properties upon recycling, resulting in deficient end use performance. Due to its outstanding compatibility with PP and PE, Vistamaxx™ performance polymers have shown to significantly improve the impact strength of the polymer waste, potentially opening up opportunities for turning recovered plastics from diapers into high-value applications.



Impact strength enhancement from rejected diapers*



Based on ASTM D256 with materials provided by Diaper Recycling Technology (www.diaperrecycling.technology).

*Refers to diapers rejected by manufacturing lines due to not meeting specifications.

Vistamaxx performance polymers open up possibilities to turn plastic waste into new products like boxes, pails and crates. With improved impact strength, Vistamaxx performance polymers allow for increased recycle content and access to possibly lower-cost material sources.

Key benefits

- Increases use of recycled content
- Offers cost savings
- Increases process consistency
- Improves impact resistance
- Unlocks new product possibilities
- Creates higher value products from rejected diapers*

Plastic is a major component of diapers. For tape-type and pant-type diapers, plastic weight ratio is around 25-35%†. This provides an opportunity for diaper recyclers to recover these plastics and turn them into high-value products with Vistamaxx performance polymers.

†Based on ExxonMobil estimation

Energy lives here™

exxonmobilchemical.com/rethinkrecycle
 #rethinkrecycle

©2020 ExxonMobil. ExxonMobil, the ExxonMobil logo, the interlocking "X" device and other product or service names used herein are trademarks of ExxonMobil, unless indicated otherwise. This document may not be distributed, displayed, copied or altered without ExxonMobil's prior written authorization. To the extent ExxonMobil authorizes distributing, displaying and/or copying of this document, the user may do so only if the document is unaltered and complete, including all of its headers, footers, disclaimers and other information. You may not copy this document to or reproduce it in whole or in part on a website. ExxonMobil does not guarantee the typical (or other) values. Any data included herein is based upon analysis of representative samples and not the actual product shipped. The information in this document relates only to the named product or materials when not in combination with any other product or materials. We based the information on data believed to be reliable on the date compiled, but we do not represent, warrant, or otherwise guarantee, expressly or impliedly, the merchantability, fitness for a particular purpose, freedom from patent infringement, suitability, accuracy, reliability, or completeness of this information or the products, materials or processes described. The user is solely responsible for all determinations regarding any use of material or product and any process in its territories of interest. We expressly disclaim liability for any loss, damage or injury directly or indirectly suffered or incurred as a result of or related to anyone using or relying on any of the information in this document. This document is not an endorsement of any non-ExxonMobil product or process, and we expressly disclaim any contrary implication. The terms "we," "our," "ExxonMobil Chemical" and "ExxonMobil" are each used for convenience, and may include any one or more of ExxonMobil Chemical Company, Exxon Mobil Corporation, or any affiliate either directly or indirectly stewarded.