

ENABLING TECHNOLOGIES

# HITERRA™ RPET REVIVE



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HiTerra™ rPET Revive repairs damaged PET at the molecular level, increasing the intrinsic viscosity of PET. It also allows for higher levels of recycled content. The use of HiTerra™ rPET Revive can lead to improvements such as stabilized viscosity, improved melt strength, and improved color retention and yellow prevention.



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HiTerra™ rPET Revive's active ingredient was selected to be compatible with PET resins and can be used in fiber and molding applications.

This new technology is distinct from other PET chain extenders in the market.

HiTerra™ rPET Revive also allows for higher regrind/recycle rate and improves productivity.

## HITERRA™ RPET REVIVE BENEFITS

- Increased recycled content for closed-loop sustainability
- Improved color and visual quality
- Increased productivity
- Reduced scrap
- Reduced total cost

## HITERRA™ RPET REVIVE APPLICATIONS

Thermoformed Sheet

Fiber

Recycling & Reclaiming

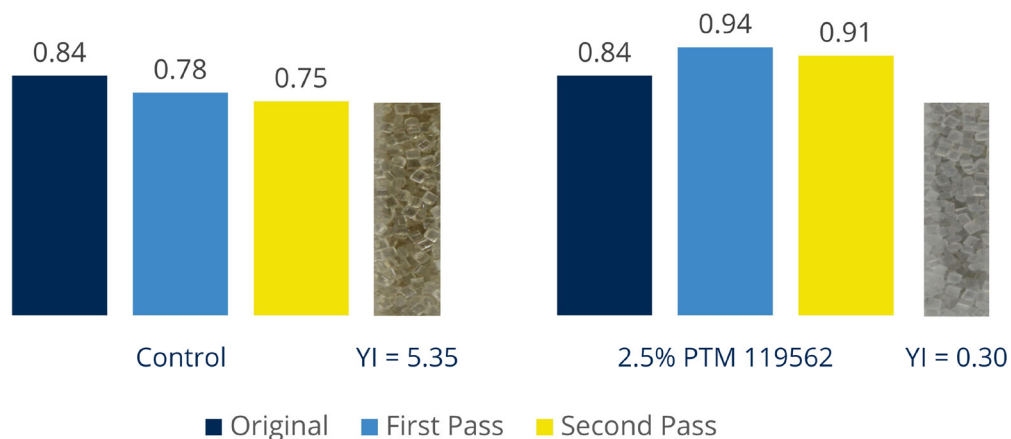
Bottles



Many brand owners are committed to increasing their use of recycled plastics. However, the recycling rate in the United States is slow moving, caused by technical and supply challenges.

One of these challenges include the short supply of recycled PET (rPET). The situation is exacerbated because PET thermally degrades when it is repeatedly reprocessed, as these multiple heat histories lead to undesirable yellowing and viscosity breakdown, limiting the use of such materials.

Intrinsic Viscosity (IV)



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