

# MAXIMIZING QUALITY AND FLEXIBILITY

## PolyQuest Recycling



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RYAN NETTLES,  
SENIOR VICE PRESIDENT -  
OPERATIONS & RECYCLE,  
POLYQUEST



PolyQuest is the largest distributor of virgin PET resins in the U.S. and Canada, one of the fastest-growing distributors of PP and HIPS resins, and a value-added recycler and leading manufacturer of recycled PET.

At their recycling facilities in Farmingdale (NY) and Darlington (SC), the company processes plastic bottles from the deposit return system, which are sorted, ground, and washed on site prior to the decontamination and refinement process. The offered products are high-quality, post-consumer bottle flake (rPET flake), post-consumer resin (rPET PCR), and post-industrial resin (PIR), such as rPP, all marketed under their PQRenew™ brand.

**Maximum quality and flexibility**  
In 2021, PolyQuest decided to upgrade their existing recycling lines by adding a viscoSTAR Solid State Polycondensation reactor and pre-drying units to their installation. PolyQuest's new process gives them maximum flexibility in the recycling process, to manufacture resins in different grades according to their customers' specifications. The resin is fully compliant for food contact applications and has a high intrinsic viscosity (iV), thanks to the iV enhancement.

“We decided for Starlinger viscotec technology to meet the growing demand for post-consumer recycled content and continue as the value-added supplier to our customers. Additionally, the comprehensiveness of the PQRenew product portfolio allows customers to choose various technical options for recycled PET, furthering sustainability solutions.”, explains Ryan Nettles, Senior Vice President at PolyQuest.

**Committed to sustainability**  
PolyQuest's investments are driven by their customers' commitments to sustainability and the company will be ready to provide any current and future needs. “We continue to grow at exponential levels, offering one of the broadest resin catalogs for the bottle, sheet, strapping, film, and fiber markets,” said Nettles. “Our long-term vision is to continue to maintain our recycle share as part of our overall thermoplastics business.”

### Thermoplastic resins for every application

-  BOTTLE
-  FILAMENT
-  FILM
-  BCF
-  TEXTILES
-  COMPOUNDING
-  STRAPPING
-  INJECTION MOLDING
-  SHEET

