



We create chemistry

# IrgaCycle™

Enhancing the value of recycled plastics to create a sustainable and circular future

Part of  
**VALERAS™**  
portfolio

## The benefits at a glance

### Close the loop for sustainable plastics

- Increase recycled content in multiple forms
  - Enable increased incorporation of recyclates
  - Process contaminated recyclates more easily
- Optimize processing of recyclate
  - Protect polymers from degradation during recycling
  - Stabilize processing and melt flow
- Improve durability of articles
  - Limit gel formation in flexible applications
  - Improve long-term material stability

### Efficient and versatile usage

- Applicable for post-consumer and post-industrial resins
- Tailored to polyolefins for a range of applications
- Easily dosed at low concentrations in compounding or converting processes

IrgaCycle™ additive solutions are specifically designed to boost the quality and quantity of recycled content in plastic articles.

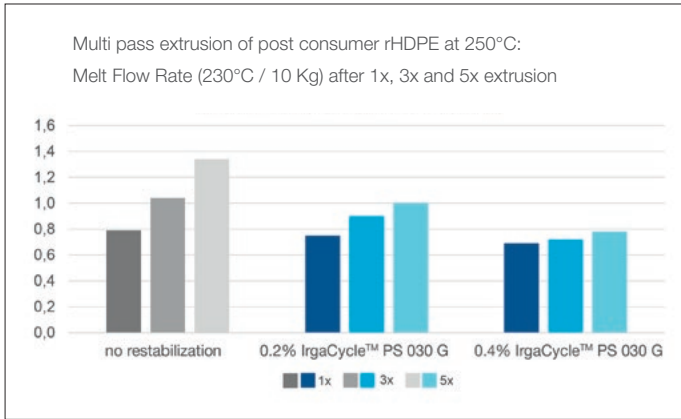
These solutions, tailored to various industries and diverse polymer streams, enable plastics to be used more than once in high-performance applications. IrgaCycle™ additive solutions protect recyclates during processing and beyond.

Enhancing recyclates for packaging, automotive, and agriculture applications ensures that plastics are used sustainably and diverted from landfills as one solution to create a circular economy.

## Improve quality and performance for rigid applications

### IrgaCycle™ PS 030 G

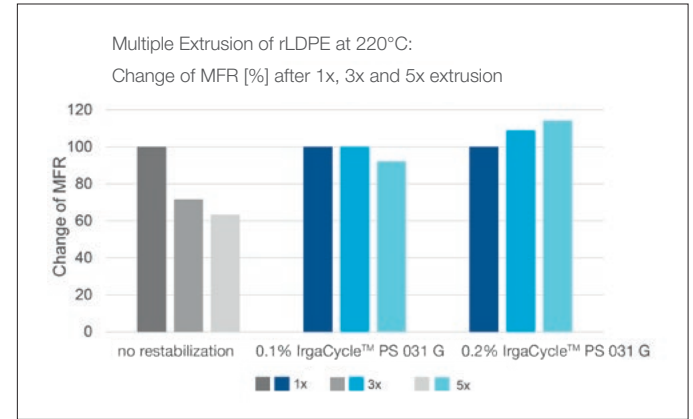
- Improves quality and durability of rigid articles made from post-consumer and post-industrial recycle
- Enhances processing and long-term stability



## Sustainable processing of recycle for film and flexibles

### IrgaCycle™ PS 031 G

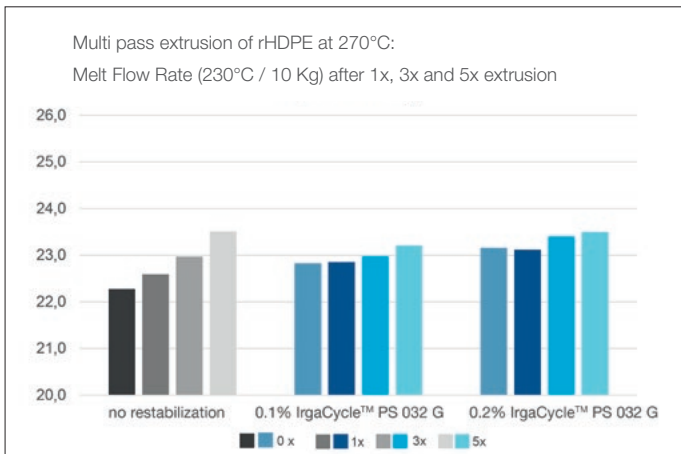
- Enhances processing and long-term stability of rLDPE and rLLDPE; e.g. packaging films, wrap or shrink films, pouches



## Enable use of heavily contaminated recyclates by improving the quality

### IrgaCycle™ PS 032 G

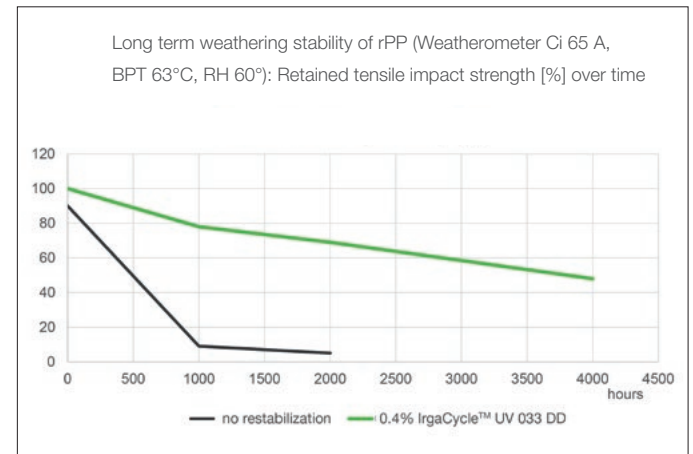
- Tailored for strongly degraded or contaminated rHDPE and rPP



## Improves weathering performance for higher durability

### IrgaCycle™ UV 033 DD

- Upgrades recyclates for durable applications
- Extends weathering stability and durability of recyclates



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