



## Introducing CRG's **Reclaimable Packaging**

A material technology designed to allow for reclamation and reuse of traditionally disposable packaging materials. Traditional packaging materials are significantly degraded when recycled, making them unusable or only suitable for low-value applications. CRG's reclaimable packaging doesn't degrade, even after multiple reuses, making it ideal for circular packaging economies and in-situ resource utilization needs while reducing the need for virgin packaging manufacturing.

With its unique properties, CRG's reclaimable packaging can be adapted for many industrial and commercial applications



### **Strong and Lightweight**

Foam and film materials satisfy packaging application requirements in regards to strength, weight, and protective properties



### **Reusable Materials**

PE foam and film materials proven reclaimable for fused filament fabrication without material property degradation



### **Facilitates Resource Utilization**

Allows for reuse and redeployment of on-site resources after satisfying the initial use case for the application



### **Promotes Circular Economy**

Process encourages the reutilization of used packaging material in the commercial or industrial setting



### **Various Source Material Options**

Source materials can be varied from other packaging materials, plastic bags, foam, films, and other polymeric materials



### **Customizable Fabrication**

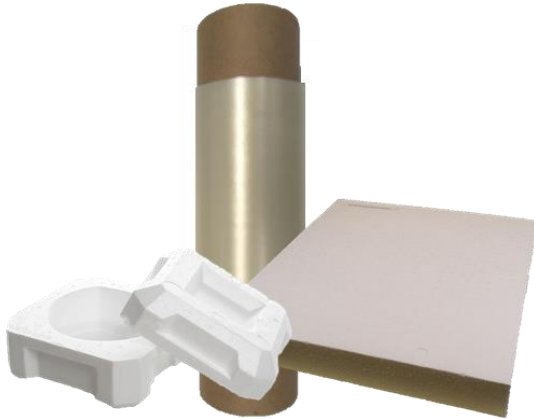
Reclaimed material is suitable for various fabrication methods such as 3D printing, injection molding, compression molding, etc.

# Increase In-Situ Resource Utilization

*via reclamation of packaging materials for various fabrication processes*

## Polymer Foam and Film

- RVT Foam
- RVT Film



## Fabrication Materials

- Extruded Filament
- Pellets



## New Parts

- Additive Manufacturing
- Injection Molding
- Compression Molding



Initial Use & Reclamation



Reprocess



Reuse



## Reclaimable Packaging Production Status:



Technology Readiness Level:  1  2  3  4  5  6  7  8  9

Manufacturing Readiness Level:  1  2  3  4  5  6  7  8  9  10

Certifications: NASA 6001

Testing: Various ASTM Characterization Testing

Interested in CRG's reclaimable packaging material?

Contact us at [sales@crgrp.com](mailto:sales@crgrp.com)



[www.crgrp.com](http://www.crgrp.com)