



**Renova Technologies, LLC**  
**Plastic Extrusion Additive Specification Sheet**  
**ReOvo™ Homopolymer PP with Bio Fillers**

**General Description:** Renova Homopolymer PP with Bio Filler is a polypropylene compound formulated with bio-based calcium carbonate derived from eggshells. The material is compounded for uniformed dispersion and consistent processing performance, providing enhanced stiffness and dimensional stability.

**Ingredient Listing:** Eggshell Calcium Bio Filler

**RENOVA Item No:** ReOvo™430 HoPP

**Country of Origin:** USA

**Manufacturing Location:** Renova Technologies, LLC, 900 Linn Ave, New Hampton, IA 50659

**Shelf Life:** Shelf life of this product is 24 Months from manufacture date if stored in original packaging in cool, dry conditions. After 24 months, the product may be retested, at the customer's expense, to potentially elongate shelf life if the product meets all specifications.

**Allergen Information:** Contains Egg

**Carriers, Preservatives, Flow Agents:** None

PROPERTIES	SPECIFICATION	ASTM PROCEDURE
Appearance	Pellets	Visual Inspection
Color	Black OR White	Visual Inspection
Aroma	Typical of Eggshell	Organoleptic
Flavor	Typical of Eggshell	Organoleptic
Particle Size	≤1680 micron	ANSI/ASAE S319.4
Bulk Density- Packed	≤1.7 g/ml	MWL Developed
<b>CHEMICAL CHARACTERISTIC (as-is basis)</b>		
Moisture	≤5% (max)	AOAC 930.15 (Forced Draft Oven)
Calcium	≤40% (max)	MWL ME PROC 26
Protein	≥2% (min)	AOAC 990.03
Crude Fat	≥0.05% (min)	AOAC 2003.05
<b>MICROBIOLOGICAL</b>		
Total Aerobic Plate Count	<1000 cfu/g	AOAC 2015.13
Mold	<100 cfu/g	FDA/BAM Chapt. 18
Yeast	<100 cfu/g	FDA/BAM Chapt. 18
<i>E.coli</i>	<10 cfu/g	AOAC 2018.13
<i>Salmonella</i> spp.	Non-detect/375 g	AOAC 2003.09
Total Coliform	<100 cfu/g	AOAC 2018.13
<i>Staphylococcus aureus</i>	<10 cfu/g	AOAC 2003.07
<i>Listeria monocytogenes</i>	Non-detect/375 g	PCR 24E Assay
<b>OTHER TESTS</b>		
Foreign Matter	Less than 2%	Visual Inspection

Dated Updated: 1- 28-2022

Authorized Signature and Date: *Justavo Martinez* 1-28-2026

**Packaging:** 16x10x10 poly-lined corrugated boxes.

**Storage and Temperature:** Prolonged storage at high temperatures or in high humidity environments may reduce the functional shelf life of this product. It is recommended that the product be stored in a cool, dry environment.

**Allergen Statement:** Contains Egg

**Non-GMO Declaration:** According to the USDA, eggs are not genetically modified (GM), or bioengineered food. This includes shell eggs and eggs used for processed egg products. Renova Eggshell Calcium Powder™ conforms to this statement and is not a genetically modified food product.

**Labeling of Ingredient:** The following information shall be included on the shipping ingredient label- Ingredient Name/Item #, Lot Number, Net Weight, Number of Boxes or Pieces.

**Approval:** RENOVA Product Specification Sheet – Information contained here is proprietary and confidential and should not be used, reproduced, or shared with any third party without RENOVA's expressed written approval.

**Continual Quality Guarantee:** All Eggshell Calcium Powder™ sold by RENOVA shall meet these specifications unless an explicit written waiver is provided by RENOVA.