



Renova Technologies, LLC

Ingredient Specification Sheet ReOvo™ Homopolymer PP with Bio Filler

RENOVA

General Description: ReOvo™ Homopolymer PP with Bio Filler is a polypropylene compound formulated with bio-based calcium carbonate derived from eggshells. The material is compounded for uniform 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: 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 extend shelf life if the product meets all specifications.

Carriers, Preservatives, Flow Agents: None

Pasteurization Process: None

TEST	SPECIFICATION	METHOD
IDENTITY and PHYSICAL PROFILE		
Appearance	Pellets	Visual Inspection
Color	Black or White	Visual Inspection
Aroma	Typical of Eggshell	Organoleptic
Particle Size	≤1,680 micron	ANSI/ASAE S319.4
Bulk Density- Packed	≤1.7 g/ml	MWL Developed
CHEMICAL CHARACTERISTIC (as-is basis)		
Moisture	≤5% (max)	AOAC 930.15 (Forced Draft Oven)
Calcium	≤40% (max)	AOAC 927.02
Protein	≥2% (min)	AOAC 990.03
Crude Fat	≥0.5% (min)	AOAC 920.39
MICROBIOLOGICAL		
Total Aerobic Plate Count	<1,000 cfu/g	AOAC 966.23
Mold	<100 cfu/g	AACC 42-50
Yeast	<100 cfu/g	AACC 42-50
<i>E.coli</i>	<10 cfu/g	AOAC 991.14
<i>Salmonella spp.</i>	Non-detect/375 g	AOAC-RI 121501
Total Coliform	<100 cfu/g	AOAC 991.14
<i>Staphylococcus aureus</i>	<10 cfu/g	BAM Chapter 12
<i>Listeria monocytogenes</i>	Non-detect/375 g	AOAC-RI 080901
OTHER TESTS		
Foreign Matter	Less than 2%	Visual Inspection

Date Updated: 24-May-2026

Authorized Signature and Date:

Justavo Martinez

24-May-2026

Renova Technologies, LLC - ReOvo™ Homopolymer PP with Bio Filler

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. ReOvo™ Homopolymer PP with Bio Filler 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 express written approval.

Continual Quality Guarantee: All ReOvo™ Homopolymer PP with Bio Filler sold by RENOVA shall meet these specifications unless an explicit written waiver is provided by RENOVA.