

## Product Description

EcoClear-PPG has been designed specially to improve clarity of injection and thermoformed molded Polypropylene with enhanced aesthetics performance. Simply dry blend the EcoClear-PPG with existing resin and run through respective melt processing techniques.

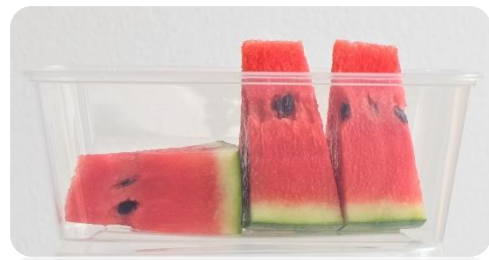
EcoClear-PPG is a 10% concentration nucleating agent compounded with Polypropylene carrier.

## Product Benefit

- Outstanding clarity
- Improve surface gloss
- Improve stiffness
- Enhance productivity during processing due to faster cycle time



Finished Product without EcoClear-PPG



Finished Product with 1% EcoClear-PPG

## Typical Physical Properties

Characteristic	Unit	Value
Appearance	Visual	Light grey
Pellet size	Pellet/g	40-60
Nucleating agent	%	9.0-11.0



EcoClear-PPG

## Typical Application

- Food storage containers



# TECHNICAL DATA SHEET

Product Name

**EcoClear**

Product Type

**Masterbatch for Polypropylene**

Product Grade

**EcoClear-PPG**

- Thermoformed parts (Disposable cups, House wares)
- Protective Packaging (CD, Toys, Over-caps, Stationary, etc.)

## Guidelines Dosage

Let-down index 1.0-2.0% by weight

EcoClear-PPG can be added to both raffia (non-nucleated) or nucleated polypropylene resins.

## Blending Procedures

EcoClear-PPG can be dry-blended using a hopper mixer / drum tumbling or direct loss in weight feed rate control into the processing equipment. Ensure sufficient and well mixing for consistent result. "Hand" mixing is not recommended.

## Processing Condition

- Normal polypropylene melt temperature (220-250 °C) is adequate when using EcoClear-PPG. Recommended temperature is 230 C
- A mold surface temperature of 20-40°C is recommended to achieve best clarity.
- Polished mold surfaces are necessary to achieve clarity and smooth surface.
- When using EcoClear-PPG in injection molding applications, increased backpressure may be required to achieve optimum dispersion.

Processability and quality of products are depended on processing conditions (temperature, pressure, speed, etc.) and applied polypropylene resins, the optimum % let-down may be vary from case to case.

## Product Technical Assistance

For technical assistance or further information on the products, please contact Texlore Co.,Ltd. at the address or telephone number as specified at below.

## Product Packaging

- 25 kg loose bag
- 750 kg big bag



# TECHNICAL DATA SHEET

Product Name

**EcoClear**

Product Type

**Masterbatch for Polypropylene**

Product Grade

**EcoClear-PPG**

## Storage

- Store in original container in tidy according to the manual of Handling and Storage from Texlore Company Limited.
- Product(s) should be stored in dry and dust free location at temperature below 50°C and protected from direct sunlight and/or heat, well-ventilated area, away from incompatible materials and food and drink, as this may lead to quality deterioration, which results in odour generation and colour changes and can have negative effects on the physical properties of this product.
- Keep container tightly closed and sealed unit ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled container. Use appropriate containment to avoid environmental contamination.
- The storage area should be stable and not be sloped.

## Safety

- The product is not classified as a hazardous material.
  - Please see Safety Data Sheet for details on various aspects of safety, recovery, and disposal of the products.
- For more information, contact Texlore Co.,Ltd. at the address or telephone number as specified at below.

## Disclaimer

- The applications specified herein is for reference only.
- It is customer's responsibilities to inspect and test the product for suitability of the customer's own use and purpose. The customer is responsible for appropriate, safe, legal use, processing and handling of the product.
- To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication. We however do not assume any liability whatsoever for the accuracy and completeness of the information contained herein.
- We make no warranties which extend beyond the description herein. Nothing herein shall constitute any implied warrant of merchantability or fitness for a particular purpose.
- No liability can be accepted in respect of the use of the product in conjunction with other materials. The information contained herein relates exclusively to the product when it is not used in conjunction with any third party's materials.

## Product Description

EcoClear-PPN has been designed specially to improve optical properties of injection and thermoformed molded Polypropylene. Simply dry blend the EcoClear-PPN with existing resin and run through respective melt processing techniques.

EcoClear-PPN is a 10% concentration nucleating agent compounded with Polypropylene carrier.

## Product Benefit

- Make outstanding clarity [Improve clarity / Reduce haze]
- Increase gloss and improve smooth surface [Improve surface gloss]
- Improve stiffness
- Enhance productivity during processing due to faster cycle time



**Finished Product without EcoClear-PPN**



**Finished Product with 1% EcoClear-PPN**

## Typical Physical Properties

Characteristic	Unit	Value
Appearance	Visual	White
Pellet size	Pellet/g	40-60
Nucleating agent	%	9.0-11.0



**EcoClear-PPN**

## Typical Application

- Food storage containers



## TECHNICAL DATA SHEET

Product Type

**Masterbatch for Polypropylene**

Product Name

**EcoClear**

Product Grade

**EcoClear-PPN**

- Thermoformed parts (Disposable cups, House wares)
- Protective Packaging (CD, Toys, Over-caps, Stationary, etc.)

### Guidelines Dosage

Let-down index 1.0-2.0% by weight

EcoClear-PPN can be added to both raffia (non-nucleated) or nucleated polypropylene resins.

### Blending Procedures

EcoClear-PPN can be dry-blended using a hopper mixer / drum tumbling or direct loss in weight feed rate control into the processing equipment. Ensure sufficient and well mixing for consistent result. "Hand" mixing is not recommended.

### Processing Condition

- Normal polypropylene melt temperature (220- 250 °C) is adequate when using EcoClear-PPN. Recommended temperature is 230 C
- A mold surface temperature of 20-40°C is recommended to achieve best clarity.
- Polished mold surfaces are necessary to achieve clarity and smooth surface.
- When using EcoClear-PPN in injection molding applications, increased backpressure may be required to achieve optimum dispersion.

Processability and quality of products are depended on processing conditions (temperature, pressure, speed, etc.) and applied polypropylene resins, the optimum % let-down may be vary from case to case.

### Product Technical Assistance

For technical assistance or further information on the products, please contact Texlore Co.,Ltd. at the address or telephone number as specified at below.

### Product Packaging

- 25 kg loose bag
- 750 kg big bag



## TECHNICAL DATA SHEET

Product Type

**Masterbatch for Polypropylene**

Product Name

**EcoClear**

Product Grade

**EcoClear-PPN**

### Storage

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