

# PureFive®



PureCycle's **Ultra** Circular Solution.  
The Right **Choice** for Polypropylene.

# Our PureFive® Resins

Dissolution is a unique solution for companies in search of recycled polypropylene (PP) that can replace virgin PP in a variety of applications. PureCycle holds a global license for a patented dissolution recycling technology that is designed to transform polypropylene plastic waste into a renewable resource. The unique process removes color, odor and other impurities from PP plastic waste resulting in our PureFive® resins.

Our high-quality products help reduce plastic waste through the use of recycled content. Additionally, our PureFive® products offer sustainability benefits with fewer carbon emissions and less energy usage when compared to virgin PP production.

PureCycle is excited to offer this new range of sustainable solutions under our PureFive® brand. This global portfolio is organized into two categories: **PureFive Ultra™** and **PureFive Choice™**. Both are GreenCircle Certified® for Recycled Content.

Additionally, the HPP15-100 grade of PureFive® resin has achieved the Association of Plastic Recyclers' (APR) Post-Consumer Resin (PCR) Certification for exceeding the 90%+ recycled content requirement. This is the base recycled content used in all blends of PureCycle's compounded resin grades.





## PureFive Ultra™

PureFive Ultra™ is PureCycle's flagship brand. This product is colorable and designed to meet your highest recycled content needs.

- GreenCircle Certified® - Recycled Content
- APR PCR certified
- 100% post-consumer recycled polypropylene
- Ultra-low PE Content (0.0 – 2.0%)
- Ultra-low Ash Content (0.0 – 1.0%)



## PureFive Choice™

PureFive Choice™ is our compounded solution designed to meet your unique application requirements, processing demands and recycled content needs.

- GreenCircle Certified® - Recycled Content
- Available in various rPP% using PureFive Ultra™ as base resin
- Available in a wide range of MFR (2 - 80)
- Available as homopolymer or copolymer
- Ultra-low PE Content (0.0 – 2.0%)
- Ultra-low Ash Content (0.0 – 1.0%)

# PureFive® Product Portfolio

## General Purpose

| Polypropylene Type | PureFive® Grade Name <sup>1</sup> | FDA<br>COU <sup>2</sup> | Additives <sup>3</sup> |   | PCR<br>(wt.%) | MFR <sup>4</sup><br>(dg/min) |
|--------------------|-----------------------------------|-------------------------|------------------------|---|---------------|------------------------------|
|                    |                                   |                         | G                      | N |               |                              |
| Homopolymer        | Ultra HPP 15-100FN                | A-H                     |                        | ● | 95            | 10-20                        |
| Homopolymer        | Choice HPP 15-100FN White         | A-H                     |                        | ● | 95            | 10-20                        |

## Flexible Packaging

| Polypropylene Type | PureFive® Grade Name <sup>1</sup> | FDA<br>COU <sup>2</sup> | Additives <sup>3</sup> |   | PCR<br>(wt.%) | MFR <sup>4</sup><br>(dg/min) |
|--------------------|-----------------------------------|-------------------------|------------------------|---|---------------|------------------------------|
|                    |                                   |                         | G                      | N |               |                              |
| Homopolymer        | Choice HPP 04-50FF                | A-H                     |                        |   | 52            | 4.0                          |

## Rigid Packaging - Thermoforming

| Polypropylene Type | PureFive® Grade Name <sup>1</sup> | FDA<br>COU <sup>2</sup> | Additives <sup>3</sup> |   | PCR<br>(wt.%) | MFR <sup>4</sup><br>(dg/min) |
|--------------------|-----------------------------------|-------------------------|------------------------|---|---------------|------------------------------|
|                    |                                   |                         | G                      | N |               |                              |
| Homopolymer        | Choice HPP 02-30FN                | A-H                     |                        | ● | 32            | 2.5                          |
| Homopolymer        | Choice HPP 02-30FN White          | A-H                     |                        | ● | 32            | 2.5                          |
| Homopolymer        | Choice HPP 04-50FN                | A-H                     |                        | ● | 52            | 4.0                          |
| Homopolymer        | Choice HPP 04-50FN White          | A-H                     |                        | ● | 52            | 4.0                          |
| Homopolymer        | Choice HPP 07-70FN                | A-H                     |                        | ● | 72            | 7.0                          |
| Homopolymer        | Choice HPP 07-70FN White          | A-H                     |                        | ● | 72            | 7.0                          |

## Rigid Packaging - Injection Molding

| Polypropylene Type | PureFive® Grade Name <sup>1</sup> | FDA<br>COU <sup>2</sup> | Additives <sup>3</sup> |   | PCR<br>(wt.%) | MFR <sup>4</sup><br>(dg/min) |
|--------------------|-----------------------------------|-------------------------|------------------------|---|---------------|------------------------------|
|                    |                                   |                         | G                      | N |               |                              |
| Homopolymer        | Choice HPP 45-100FN               | A-H                     |                        | ● | 95            | 45                           |
| Homopolymer        | Choice HPP 45-100FN White         | A-H                     |                        | ● | 95            | 45                           |
| Impact Copolymer   | Choice CPP 80-30FN                | A-H                     |                        | ● | 32            | 80                           |
| Impact Copolymer   | Choice CPP 80-30FN White          | A-H                     |                        | ● | 32            | 80                           |

# PureFive® Product Portfolio

## Fiber & Filaments

| Application                 | Polypropylene Type | PureFive® Grade Name <sup>1</sup> | FDA COU <sup>2</sup> | Additives <sup>3</sup> |   | PCR (wt.%) | MFR <sup>4</sup> (dg/min) |
|-----------------------------|--------------------|-----------------------------------|----------------------|------------------------|---|------------|---------------------------|
|                             |                    |                                   |                      | G                      | N |            |                           |
| CF/BCF <sup>5</sup> /Staple | Homopolymer        | Choice HPP 18-50                  | -                    | ●                      |   | 52         | 18                        |
| CF/BCF                      | Homopolymer        | Choice HPP 35-50                  | -                    | ●                      |   | 52         | 35                        |

1. F = Food Grade, N = Nucleator & Antistatic Agent, FF= Food Grade Flexible
2. FDA COU = FDA Conditions of Use. PureFive® resin complies with FDA 21 CFR 177.1520(c)1.1. Please contact your PureCycle representative for more information.
3. All products contain antioxidants. Additional additives are G = Anti-Gas Fading AO Package, N = Nucleator & Antistatic Agent.
4. Melt Flow Rate (230 °C, 2.16 kg), ASTM D123
5. CF = Continuous Filament, BCF = Bulk Continuous Filament

# About PureCycle Technologies

PureCycle Technologies LLC. ("PCT"), a subsidiary of PureCycle Technologies, Inc., holds a global license for the only patented dissolution recycling technology, developed by The Procter & Gamble Company (P&G), that is designed to transform polypropylene plastic waste (designated as #5 plastic) into a continuously renewable resource. The unique purification process removes color, odor, and other impurities from #5 plastic waste resulting in our PureFive® resin that can be recycled and reused multiple times, changing our relationship with plastic.



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