

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 ¹	FDA COU ²	Additives ³			PCR (wt.%)	MFR ⁴ (dg/min)
			G	N	AS		
Homopolymer	Ultra HPP 15-100FNAS	A-H		●	●	95	10-20
Homopolymer	Choice HPP 15-100FNAS White, Black ⁵	A-H		●	●	95	10-20

Flexible Packaging - BOPP Film

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

Rigid Packaging - Thermoforming

Polypropylene Type	PureFive® Grade Name ¹	FDA COU ²	Additives ³			PCR (wt.%)	MFR ⁴ (dg/min)
			G	N	AS		
Homopolymer	Choice HPP 02-30FNAS	A-H		●	●	32	2.5
Homopolymer	Choice HPP 02-30FNAS White, Black ⁵	A-H		●	●	32	2.5
Homopolymer	Choice HPP 04-50FNAS	A-H		●	●	52	4.0
Homopolymer	Choice HPP 04-50FNAS White, Black ⁵	A-H		●	●	52	4.0
Homopolymer	Choice HPP 07-70FNAS	A-H		●	●	72	7.0
Homopolymer	Choice HPP 07-70FNAS White, Black ⁵	A-H		●	●	72	7.0

Rigid Packaging - Injection Molding

Polypropylene Type	PureFive® Grade Name ¹	FDA COU ²	Additives ³			PCR (wt.%)	MFR ⁴ (dg/min)
			G	N	AS		
Homopolymer	Choice HPP 45-100FNAS White, Black ⁵	A-H		●	●	95	45
Impact Copolymer	Choice CPP 20-50FNAS	A-H		●	●	52	20
Impact Copolymer	Choice CPP 80-30FNAS White	A-H		●	●	32	80
Impact Copolymer	Choice CPP 80-80FNAS White	A-H		●	●	82	80

PureFive® Product Portfolio

Fiber & Filaments

Application	Polypropylene Type	PureFive® Grade Name ¹	FDA COU ²	Additives ³			PCR (wt.%)	MFR ⁴ (dg/min)
				G	N	AS		
CF/BCF ⁶	Homopolymer	Choice HPP 35-50	-				52	35
CF/BCF/Staple	Homopolymer	Choice HPP 18-50	-				52	18
Raffia (Food)	Homopolymer	Choice HPP 04-50F	A-H	●			52	4.0
Raffia (Non-Food)	Homopolymer	Choice HPP 04-50	-	●			52	4.0

1. F = Food Grade, N = Nucleator, AS = Antistatic Agent.
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, AS = Antistatic Agent.
4. Melt Flow Rate (230 °C, 2.16 kg), ASTM D1238
5. Black resin produced using recycle-friendly Near Infrared (NIR) transparent colorant
6. 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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