

GON HCpect Recycled Polypropylene Product

Technical Data Sheet (TDS)

1. *Alprene RPP-H G3103*

Type: Homopolymer polypropylene

Features: Low precipitation; Good stiffness; Low odor

Typical Application:

- Extrusion: lunch boxes
- Drawing
- Film: BOPP/CPP

Typical Property	Test Method	Unit	Value
Melt flow rate (230°C, 2.16kg)	GB/T 3682.1-2018	g/10min	3.2
Density	GB/T 1033-2008	g/cm ³	0.903
Isotactic Index	GB/T 2412-2008	%	96.3
Ash	GB/T 9345.1-2008	ppm	160
Tensile strength at yield	GB/T 1040.2-2022	MPa	32
Tensile Stress at Break	GB/T 1040.2-2022	MPa	20
Heat Deflection Temperature	GB/T 1634.2-2009, Tf0.45	°C	78
Yellowness Index	HG/T 3682-2006	/	-5.44

Additional Note:

- Please contact our Customer Service Dept. for information such as food contact certificate.
- Physical Properties: these are not to be construed as specifications.
- R-G3103 is chemical recycling PP.
- R-G3103 don't contain opening agent, smooth agent.

Disclaimer

This document is intended to provide users with general information about safe handling, use, processing, storage, transportation, disposal, and release, and does not constitute any warranty or quality specification, express or implied, including any warranty of merchantability or fitness for any particular purpose. Users should determine whether the product is suitable for their use and safe and legal for use.

Manager: william lee
 Tel: +86 18765155293
 E-mail: william@gonplastics.com

2. *RPP-H G150*

Type: Polypropylene resin

Features:

- White, odorless, non-toxic, and lightweight thermoplastic.
- This product exhibits excellent chemical stability and resistance to acid and alkali corrosion.
- This product exhibits excellent plasticity and superior heat resistance.

Typical Application:

- Applicable to injection-molded products.
- Being Modified: Suitable for compression molding, production of electrical appliances, automotive parts, mechanical components, as well as TV casings, tape recorder casings, cassette boxes, and chemical building materials.

Typical Property	Test Method	Unit	Value
Melt flow rate (230°C, 2.16kg)	GB/T 3682.1	g/10min	19
Density	GB/T 9345.1	ppm	0.905
Tensile strength at yield	GB/T 1040.2-2022	MPa	28
Charpy Impact Strength (23°C)	GB/T 1043.1-2008	kJ/m ²	2.3
Flexural modulus	GB/T 9341	MPa	1417

Additional Note:

- Please contact our Customer Service Dept. for information such as food contact certificate.
- Physical Properties: these are not to be construed as specifications.
- This product must not be exposed to sunlight or rain during transportation and storage.
- RPP-H G150 is chemical recycling PP, produced by recycled propylene from chemical recycling of waste plastics. RPP is polymerized by liquid-phase bulk polymerization.
- This product complies with the specifications of SH/T 1761.1-2019 "Polypropylene Resin Powder-Part 1: Batch Method".

Disclaimer

This document is intended to provide users with general information about safe handling, use, processing, storage, transportation, disposal, and release, and does not constitute any warranty or quality specification, express or implied, including any warranty of merchantability or fitness for any particular purpose. Users should determine whether the product is suitable for their use and safe and legal for use.

Manager: william lee
Tel: +86 18765155293
E-mail: william@gonplastics.com

3. *RPP-H G3117*

Type: Homopolymer polypropylene

Features: High transparency; Good stiffness; Low odor

Typical Application:

- Household goods
- Injection molding
- Toy application

Typical Property	Test Method	Unit	Value
Melt flow rate (230°C, 2.16kg)	GB/T 3682.1	g/10min	17
Density	GB/T 1033	g/cm ³	0.905
Isotactic Index	GB/T 2412	%	96.8
Ash	GB/T 9345.1	ppm	190
Tensile strength at yield	GB/T 1040.2-2022	MPa	32.6
Charpy Impact Strength	GB/T 1043.1-2008	kJ/m ²	1.8
Heat Deflection Temperature	GB/T 1634.2-2009, Tf0.45	°C	85
Rockwell hardness	GB/T 3398.2	/	106
Flexural modulus	GB/T 9341	MPa	1350

Additional Note:

- Please contact our Customer Service Dept. for information such as food contact certificate.
- Physical Properties: these are not to be construed as specifications.
- R-G3117 is chemical recycling PP.
- R-G3117 don't contain opening agent, smooth agent.

Disclaimer

This document is intended to provide users with general information about safe handling, use, processing, storage, transportation, disposal, and release, and does not constitute any warranty or quality specification, express or implied, including any warranty of merchantability or fitness for any particular purpose. Users should determine whether the product is suitable for their use and safe and legal for use.

Manager: william lee
Tel: +86 18765155293
E-mail: william@gonplastics.com

4. *RPP R3407*

Type: Polypropylene random copolymer

Features: Appropriate flexural modulus; Good processing performance; Wide foaming window

Typical Application:

- EPP

Typical Property	Test Method	Unit	Value
Melt flow rate (230°C, 2.16kg)	GB/T 3682.1	g/10min	7.8
Density	GB/T 1033	g/cm ³	0.905
Ash	GB/T 9345.1	ppm	210
Tensile strength at yield	GB/T 1040.2-2022	MPa	27.1
Charpy Impact Strength	GB/T 1043.1-2008	kJ/m ²	6.6
Melting Point	GB/T 19466.3-2004	°C	148.5
Haze	GB/T 2410	%	9.4
Flexural modulus	GB/T 9341	MPa	1056

Additional Note:

- Please contact our Customer Service Dept. for information such as food contact certificate.
- Physical Properties: these are not to be construed as specifications.
- R-R3407 is chemical recycling PP.
- R-R3407 don't contain opening agent, smooth agent.

Disclaimer

This document is intended to provide users with general information about safe handling, use, processing, storage, transportation, disposal, and release, and does not constitute any warranty or quality specification, express or implied, including any warranty of merchantability or fitness for any particular purpose. Users should determine whether the product is suitable for their use and safe and legal for use.

Manager: william lee
Tel: +86 18765155293
E-mail: william@gonplastics.com

5. *RPP R3016*

Type: Polypropylene random copolymer

Features: High transparency; Low ash; Low odor

Typical Application:

- EPP Household goods
- Food contact goods
- Medical supplies

Typical Property	Test Method	Unit	Value
Melt flow rate (230°C, 2.16kg)	GB/T 3682.1	g/10min	16
Density	GB/T 1033	g/cm ³	0.905
Ash	GB/T 9345.1	ppm	230
Tensile strength at yield	GB/T 1040.2-2022	MPa	29.3
Charpy Impact Strength	GB/T 1043.1-2008	kJ/m ²	4.9
Yellowness Index	HG/T 3682	/	-4.83
Haze	GB/T 2410	%	8.5
Flexural modulus	GB/T 9341	MPa	1093

Additional Note:

- Please contact our Customer Service Dept. for information such as food contact certificate.
- Physical Properties: these are not to be construed as specifications.
- R-R3016 is chemical recycling PP.
- R-R3016 don't contain opening agent, smooth agent.

Disclaimer

This document is intended to provide users with general information about safe handling, use, processing, storage, transportation, disposal, and release, and does not constitute any warranty or quality specification, express or implied, including any warranty of merchantability or fitness for any particular purpose. Users should determine whether the product is suitable for their use and safe and legal for use.

Manager: william lee

Tel: +86 18765155293

E-mail: william@gonplastics.com

6. *RPP C8009*

Type: Copolymer polypropylene

Features: High stability; Low temperature impact resistance; Low odor

Typical Application:

- Automobile modification
- Electrical modification
- Furniture products

Typical Property	Test Method	Unit	Value
Melt flow rate (230°C, 2.16kg)	GB/T 3682.1	g/10min	9
Ash	GB/T 9345.1	ppm	100
Yellowness Index	HG/T 3682	/	-3.93
Tensile strength at yield	GB/T 1040.2-2022	MPa	21.6
Charpy Impact Strength (23°C)	GB/T 1043.1-2008	kJ/m ²	51
Charpy Impact Strength (0°C)	GB/T 1043.1-2008	kJ/m ²	7
Flexural modulus	GB/T 9341	MPa	924

Additional Note:

- Please contact our Customer Service Dept. for information such as food contact certificate.
- Physical Properties: these are not to be construed as specifications.
- R-C8009 is chemical recycling PP.
- R-C8009 don't contain opening agent, smooth agent.

Disclaimer

This document is intended to provide users with general information about safe handling, use, processing, storage, transportation, disposal, and release, and does not constitute any warranty or quality specification, express or implied, including any warranty of merchantability or fitness for any particular purpose. Users should determine whether the product is suitable for their use and safe and legal for use.

Manager: william lee
 Tel: +86 18765155293
 E-mail: william@gonplastics.com

7. *RPP C7028*

Type: Copolymer polypropylene

Features: High stability; Low temperature impact resistance; Low odor

Typical Application:

- Automobile modification
- Electrical modification
- Furniture products

Typical Property	Test Method	Unit	Value
Melt flow rate (230°C, 2.16kg)	GB/T 3682.1	g/10min	26.9
Ash	GB/T 9345.1	ppm	320
Yellowness Index	HG/T 3682	/	-4.47
Tensile strength at yield	GB/T 1040.2-2022	MPa	23.3
Charpy Impact Strength (23°C)	GB/T 1043.1-2008	kJ/m ²	13
Charpy Impact Strength (-20°C)	GB/T 1043.1-2008	kJ/m ²	5
Flexural modulus	GB/T 9341	MPa	1100

Additional Note:

- Please contact our Customer Service Dept. for information such as food contact certificate.
- Physical Properties: these are not to be construed as specifications.
- R-C7028 is chemical recycling PP.
- R-C7028 don't contain opening agent, smooth agent.

Disclaimer

This document is intended to provide users with general information about safe handling, use, processing, storage, transportation, disposal, and release, and does not constitute any warranty or quality specification, express or implied, including any warranty of merchantability or fitness for any particular purpose. Users should determine whether the product is suitable for their use and safe and legal for use.

Manager: william lee
 Tel: +86 18765155293
 E-mail: william@gonplastics.com

8. *RPP-C9930H*

Type: Copolymer polypropylene

Features: High stability; Low temperature impact resistance; Low odor

Typical Application:

- Automobile modification
- Electrical modification
- Furniture products

Typical Property	Test Method	Unit	Value
Melt flow rate (230°C, 2.16kg)	GB/T 3682.1	g/10min	32
Ash	GB/T 9345.1	ppm	310
Yellowness Index	HG/T 3682	/	-3.12
Tensile strength at yield	GB/T 1040.2-2022	MPa	23.3
Charpy Impact Strength (23°C)	GB/T 1043.1-2008	kJ/m ²	54
Charpy Impact Strength (-20°C)	GB/T 1043.1-2008	kJ/m ²	8
Flexural modulus	GB/T 9341	MPa	938

Additional Note:

- Please contact our Customer Service Dept. for information such as food contact certificate.
- Physical Properties: these are not to be construed as specifications.
- R-C9930H is chemical recycling PP.
- R-C9930H don't contain opening agent, smooth agent.

Disclaimer

This document is intended to provide users with general information about safe handling, use, processing, storage, transportation, disposal, and release, and does not constitute any warranty or quality specification, express or implied, including any warranty of merchantability or fitness for any particular purpose. Users should determine whether the product is suitable for their use and safe and legal for use.

Manager:william lee
 Tel:+86 18765155293
 E-mail: william@gonplastics.com