

Food Contact Statements for Heartland Polymers Products

Dear Customer,

Food Contact Homopolymer FDA:

The following Heartland Polymers homopolymer polypropylene products complies with 21 CFR 177.1520(a) (1) (i) and (c) (1.1a), set by the U.S. Food and Drug Administration (FDA). In addition, additives used in these products meet the requirements of their respective FDA regulations in Parts 178, and are generally recognized as safe (GRAS), subject to limitations on the Conditions on Use or food type contacted. It is the responsibility of the food packager or converter, that the final package meets the requirements and conditions under the foreseeable Conditions of Use.

Extraction experiments, with test samples of this reference or a comparable grade, are performed to demonstrate that the extraction limits are not exceeded.

Food Contact Copolymer FDA:

The following Heartland Polymers random copolymer polypropylene products complies with 21 CFR 177.1520(a) (1) (i) and (c) (3.1a). In addition, additives used in these products meet the requirements of their respective FDA regulations in Parts 178 and are generally recognized as safe (GRAS), subject to limitations on the Conditions on Use or food type contacted. It is the responsibility of the food packager or converter, that the final package meets the requirements and conditions under the foreseeable Conditions of Use.

Resin ¹	Specifications 21 CFR 177.1520	Conditions of Use 21 CFR 176.170 (c)	Comments
H1002NA, H1003N, H5001, H5002 H5103, H5104, H5104A, H5012G, H5025G, H5235G, H3003, H3209, H3010SB, H7012, H7012N, H7012S, H7020S, H7035, H7035N, H7035E, H7050E, H7060E	(c)(1.1a)	A-H	All type of foods
R1302NS, R1302N, R1002, R3207SB, R3208, R7012NA, R7012NA2, R7020NA, R7030NA, R7035NA, R7045NA, R7050NS, R7070NA, R7085NA	(c)(3.1a)	A-H	All types of foods

¹ Please note that some grades have limitations on Condition of Use as described in Table 2 of 21 CFR 176.170(c); the Conditions of Use are for all food types unless otherwise noted.

Canada Food and Drug Act, Division 23:

A "Letter of No Objection" (LONO) for food contact use of all polypropylene products manufactured by Heartland Polymers has been obtained from Canada's Health Protection and Food Branch (HPFB). If a file number is required, please contact a representative of Heartland Polymers.

Europe:

All polypropylene that Heartland Polymers manufactures complies with the relevant requirements for materials intended for direct food contact as specified by Directives EU 10/2011, Directives EC 1935/2004 (Framework), EC 2023/2006 (Good Manufacturing Practices), and all applicable amendments to intermediate materials, including Regulation (EU) 2023/1442 of the Commission, of 11 July 2023. All monomers and additives used in our products are listed in the Union List of Authorized Substances: Annex I of the Plastics Implementation Measure.

Specific Migration Limits (SMLs) have been established in the Commission Regulation EU No 10/2011 (including amendments up to EU 2020/1425) under the Union List in Table 1 of Annex 1. Any substances (i.e., additives) on the list will have SMLs listed in column 8. For substances not listed in any of the tables under Annex I, a generic SML of 60 mg/kg will be used. It is the responsibility of the food packager or converter to ensure that all finished articles that contact food undergo testing for overall and specific migration limits to ensure compliance of these

requirements. The following Heartland Polymers polypropylene are formulated with additives which have SMLs that are not classified under the generic 60 mg/kg:

Grade	Function	Number	Specific Migration Limit
H5012G, H5025G, H5235G	Antioxidant	CAS No. 27676-62-6	5 mg substance/Kg Food
H5235G	Acid Acceptor	CAS No. 1314-13-2	5 mg substance/Kg Food as Zinc
R7012NA, R7012NA2, R7020NA, R7030NA, R7035NA, R7045NA, R7050NS, R7070NA, R7085NA, R8241, R8219	Nucleant/clarifier	Ref No. 38850	5 mg substance/Kg Food
H1002NA, H1003N, R1302NS, R1302N	Nucleant/clarifier	Ref No. 66350	5 mg substance/Kg Food SML (T)=0.6mg/Kg Food (expressed as Li)

Migration tests must be completed using the appropriate food and food stimulants at specific conditions as outlined in Conditions of Use A-H. Migration tests should always correspond to the most severe (worst foreseeable) conditions of contact between plastic material/article and the foodstuff. All packaging labels must indicate the maximum temperature for use.

Dual-use Additives:

Some of the polypropylene products manufactured by Heartland Polymers contains certain substances called dual-use additives, which are used in food contact plastics. These additives are classified as food additives or flavorings and are authorized for use according to Commission Regulation (EU) No 10/2011.

China:

All polypropylene that Heartland Polymers manufactures complies with the relevant requirements for materials intended for direct food contact as specified by GB4806.7-2016 National Food Safety standard on food contact use plastic materials and articles. All monomers and additives used in our products are listed in the standard GB9685-2016 National food safety standard for uses of additives in food contact materials. The following SMLs are specified:

Grade	Function	Number	Specific Migration Limit
H5012G, H5025G, H5235G, H5218G	Antioxidant	CAS No. 27676-62-6	5 mg substance/Kg Food
H5235G	Acid Acceptor	CAS No. 1314-13-2	25 mg substance/Kg Food as Zinc
R7012NA, R7012NA2, R7020NA, R7030NA, R7035NA, R7045NA, R7050NS, R7070NA, R7085NA, R8241, R8219	Nucleant/clarifier	FCA0038	5 mg substance/Kg Food
H1002NA, H1003N, R1302NS, R1302N	Nucleant/clarifier	FCA0151	5 mg substance/Kg Food SML (T)=0.6mg/Kg Food (expressed as Li)

Mercosur:

All polypropylene that Heartland Polymers manufactures complies with the relevant requirements of the resolutions GMC/RES No.2/12 –Positive list of monomers and other starting substances. All additives included in polypropylene are included in APENDICE I of Mercosur/GMC/RES No. 39/19 positive list of additives for the elaboration of plastic materials. The following SMLs are specified:

Grade	Function	Number	Specific Migration Limit
H5012G, H5025G, H5235G	Antioxidant	CAS No. 27676-62-6	5 mg substance/Kg Food

Grade	Function	Number	Specific Migration Limit
H5235G	Acid Acceptor	CAS No. 1314-13-2	5 mg substance/Kg Food as Zinc
R7012NA, R7012NA2, R7020NA, R7030NA, R7035NA, R7045NA, R7050NS, R7070NA, R7085NA, R8241, R8219	Nucleant/clarifier	MCA No 808	5 mg substance/Kg Food, including the sum of its hydrolysis products.
H1002NA, H1003N, R1302NS, R1302N	Nucleant/clarifier	MCA No 750	5 mg substance/Kg Food SML (T)=0.6mg/Kg Food (expressed as Li)

ANVISA:

All polypropylene that Heartland Polymers manufactures complies with the relevant requirements in Resolution No. 56, of 16 November 2012: Positive List of monomers and other starting substances authorized polymers for the production of plastic packaging and equipment in contact with food. All monomers and additives used in our products are listed in ANVISA resolution No 326/2019 Technical Regulation on Additives Positive List for Plastic Materials for the contact in developing packaging and equipment with food. There are no specific migration values specified for this grade.

Grade	Function	Number	Specific Migration Limit
H5012G, H5025G, H5235G	Antioxidant	CAS No. 27676-62-6	5 mg substance/Kg Food
H5235G	Acid Acceptor	CAS No. 1314-13-2	5 mg substance/Kg Food as Zinc

Grade	Function	Number	Specific Migration Limit
R7012NA, R7012NA2, R7020NA, R7030NA, R7035NA, R7045NA, R7050NS, R7070NA, R7085NA, R8241, R8219	Nucleant/clarifier	MCA No 808	5 mg substance/Kg Food, including the sum of its hydrolysis products.
H1002NA, H1003N, R1302NS, R1302N	Nucleant/clarifier		Ask our representative

If you have any questions regarding food contact compliance, please contact a Heartland Polymers representative



CUSTOMER SUCCESS TEAM

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IMPORTANT NOTICE:

The information and statements herein are believed to be reliable and based on the best knowledge to the date published. Regulations are developed continuously, and regulatory letters will be adapting accordingly. Please, ask for a new declaration periodically.

Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose. No warranty for a particular application is made.

The declaration does not cover any substance subsequently added by the converter. This declaration applies to the material as it leaves its production facilities. No liability can be accepted in respect of the use of heartland polymers products in conjunction with other materials.