

Polypropylene

Purpolen™ PP HW Y55-89

The product contains postconsumer recycled material and this confirmation is based on a risk assessment supported by analytical data generated in our testing program.

We confirm that during manufacturing of this product we do not use or intentionally add any of the chemicals restricted by the following regulations and standards and their subsequent amendments in amounts which exceed the applicable limits.

- **Annex XVII** of the REACH Regulation **1907/2006/EC** - Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles - when used for intended applications as described in Product Data Sheet
- **Annex XIV** of the REACH Regulation **1907/2006/EC** - List of substances subject to authorisation
- **Candidate list** of substances of very high concern (**SVHC**) for authorisation published by ECHA as defined in the REACH Regulation 1907/2006/EC (> 0.1 wt%)
- **US TPCH Model Toxics in Packaging Legislation**, February 2021
- Directive **94/62/EC** (Packaging and packaging waste - PPW) and related **EN13428** and **CR13695**
- Sum of Cd, Cr(VI), Hg and Pb < 100 ppm
- Directive **2000/53/EC** (End of life vehicles - ELV) - Cr(VI), Hg and Pb < 0.1 wt%, Cd < 0.01 wt%
- Directive **2011/65/EU** (Restriction of the use of certain Hazardous Substances in electrical and electronic equipment - RoHS) and all other RoHS legislations worldwide that restrict some or all of the following substances - Pb, Hg, Cr(VI), PBB, PBDE, DEHP, BBP, DBP, DIBP < 0.1 wt%, Cd < 0.01 wt%
- Directive **2012/19/EU** (Waste Electrical & Electronic Equipment - WEEE) - Annex VII - No ingredients used which require selective waste treatment
- Regulation **1005/2009/EC** (Substances that deplete the ozone layer)
- **US Clean Air Act**, Title VI, Classes I and II (EPA Final Rule; Federal Register 8136, 11.2.1993) on substances that deplete the ozone layer
- Regulation (EU) **2019/1021** on persistent organic pollutants (POPs)

Purpolen is a trademark of the Borealis group.

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Regarding classification of the above product according to REGULATION (EC) No 1272/2008 and its subsequent amendments, reference is made in the SDS/PSIS for the above product.

The below listed substances are not used or intentionally added during manufacturing of the product. However, they may occur as unexpected impurities from the postconsumer recycled raw material but are, based on our risk assessment, not expected to exceed 0.1%(wt) or applicable classification limits.

Acrylamide	based)
Aromatic Amines (restricted in Regulation 1907/2006/EC, Annex XVII)	Formaldehyde
Artificial Musks	Fragrances
Asbestos	Furfural
Azocolorants (restricted in Regulation 1907/2006/EC, Annex XVII)	Glycol ethers (e.g. EGME, EGMEA, EGEE, EGEEA)
Azodicarbonamide, semicarbazide	Glyoxal
Benzophenones (e.g. 4-MBP, 4-HBP, 2,2'-Dimethoxy-2-phenylacetophenone)	Melamine, Cyanuric acid
Biocides (Pesti-, Herbi-, Insecti-, Fungi-, Bactericides)	MOAH (mineral oil aromatic hydrocarbons)
Bisphenols and their compounds (e.g. NOGE, BFDGE, BADGE)	Natural rubbers, Latex
CFC, HCFC	Nitrosamines, Nitrates, Nitrites
CMR substances Categories 1A, 1B according to Regulation 1272/2008/EC	Octyl- and Nonylphenols and Octyl- or Nonylphenoethoxylates; TNPP
Colophony (rosin)	Organotin compounds
4,4'- Diaminodiphenylmethane (MDA)	Oxo-degradable additives
Di-2-ethyl-hexyl maleate (DEHM)	Parabens
Dimethylfumarate (DMF), Dibutylfumarate	PBT and vPvB substances according to EC Regulation No.1907/2006 (REACH)
1,4-Dioxane	PBT substances under TSCA section 6(h)
Elements: Arsenic, Beryllium, Bismuth, Cobalt, Gold, Indium, Palladium, Selenium, Silver, Tellurium, Thorium, Tin, Tantalum, Tungsten	PFAS (acc. OECD definition)
Endocrine disruptors: Category 1 substances in the European Commission EDS database or substances identified as ED at EU level	PFOA, PFOS
2-Ethylhexanoic acid, Ethoxyquin, ITX, Thiurams	Plasticisers (e.g. Adipates, ESBO, NETSA, Phthalates)
Flame retardants (halogenated or phosphorus	Polychlorinated Bi-, Terphenyls and Naphthalenes
	Polychlorinated dibenzodioxins and dibenzofurans
	Quaternary ammonium compounds
	Radioactive substances
	Resorcinol
	Thiuram mix
	UV-hardeners (e.g. ITX, Titanyl-acetylacetone)

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The ingredients of the above product, and if applicable the basic polymer(s), are either listed or exempted in the following chemical inventories:

Australia/AIICS
Canada/DSL
China/IECSC
Europe/EINECS or ELINCS or NLP
Japan/ENCS and ISHL
Korea/KECL
New Zealand/NZIoC
Philippines/PICCS
Taiwan/TCSI
USA/TSCA (all relevant ingredients designated as active)

Prepared by Borealis, Group Product Stewardship

Disclaimer

Recycled plastics are subject to material inconsistencies. Borealis AG makes no warranties which extend beyond the description contained herein and to the best of our knowledge, the information is accurate and reliable as of the date of publication. Because of the multitude of possible influences during the use and application of our products, the information included does not release customers and users from the obligation to examine and test them carefully. Please note that nothing herein shall constitute any warranty of merchantability or fitness for a particular purpose. It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose as Borealis AG do not know the origin of the product. Where necessary, the customer is recommended to obtain a feedstock release from the customer. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products. No liability can be accepted in respect of the use of any Borealis AG product in conjunction with any other products and/or materials. The information contained herein relates exclusively to our products when not used in conjunction with any other material unless as specifically provided for in the test methods stated above. The product(s) mentioned herein are not intended to be used for food contact, drinking water contact, medical, pharmaceutical or healthcare applications and we do not support their use for such applications. Otherwise, our General Terms and Conditions of Sale apply.