

Polypropylene Purpolen™ PE-89



Formerly Purpolen PE-90

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 certify 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%)
- 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), repealing 850/2004/EC

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

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The substances used in the manufacturing of the above product, and if applicable the basic polymer(s), are listed 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. mtm 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 mtm 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 mtm 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.