

a **berlin packaging** company**NIEDERLASSUNG PRESSIG**Novio Packaging GmbH
Jakobsberg 10
DE 96332 Pressig**Telefon:** +49 (0) 9265 / 80680 - 10**Telefax:** +49 (0) 9265 / 80680 - 19**E-Mail:** info.de@novio.eu**Web:** www.novio.euNovio Packaging GmbH, Jakobsberg 10, DE-96332 Pressig

Artikelspezifikation

Kunde	Müller + Krempel AG
Kunden	
Artikelreferenz	14.402.92
Kunden	
Lieferantennummer	111614

Inhalt:

- Artikelübersicht
- Artikelzeichnungsausschnitt
- Datenblätter:
 - Material
 - Farbe
 - Additive

Geschäftsführer:Erik L. A. Trum
Marck C. M. Jansen**Verwaltungssitz:**NL – 6604 Wijchen
DE – 96332 Pressig**Bankverbindung:****Name** VR Bank Oberfranken Mitte eG
IBAN DE63 7719 0000 0000 4207 27
SWIFT (BIC) GENODEF1KU1**Sitz der Gesellschaft:****Handelsregistereintrag:**
UST.ID-Nr. (VAT):
Steuernummer:Amtsgericht Coburg HRB 4496
DE 261179387
212/133/60083



a **berlin packaging** company

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Artikelübersicht

Artikelbezeichnung	Roll on Verschlüsse PP schwarz glänz. Schraub
Art. Nr. Novio	10004111 (alte Novio Art Nr. 211610000)
Stat. Waren Nummer	39235010
Ursprungsland	Deutschland
Wiederbeschaffungszeit	Wir bitten um Verständnis, dass wir keine verbindlichen Angaben zu den Lieferzeiten machen können. Genaue Lieferzeiten (Perioden) können erst nach Erhalt der offiziellen Bestellung ermittelt werden.
Form	RollOn
Maße	Siehe Zgn
Gewinde	Schraub
Nr. techn. Zeichnung	1161
Gewicht	ca 10 gr
Nennvolumen	k.a.
Randvollvolumen	k.a.
Materialkennzeichnung	Moplen HP500N
Farbe / Farb-Nummer / Pantone	schwarz
Leckage Prüfung	Wir möchten darauf hinweisen, dass die von uns erarbeitete Spezifikation lediglich eine Empfehlung darstellt. Wir geben keinerlei Garantie über die Wechselwirkung unseres spezifizierten Produktes mit anderen Packmitteln und Füllguten. Aufgrund der uns unbekanntem chemischen Zusammensetzung Ihres Füllgutes können wir die Verträglichkeit mit unseren Produkten nicht beurteilen. Die Verantwortung für die praktische Eignung in Verbindung mit dem Verwendungszweck können wir daher nicht übernehmen, auch wenn wir Sie bei der Entwicklung beraten haben. Bitte führen Sie daher in Ihrem Hause im eigenen Interesse Stabilitäts- und Dichtigkeitstests durch.
Menge pro Palette	20.000 Stk
Paletten Höhe	1,60
Palette stapelbar ja/nein	Nein
Menge pro Karton / Tray	1.000 Stk
Materialspezifikationen	Wir als Händler von Kunststoff Verpackungen können nur versichern, dass ausschließlich die in den Materialdatenblättern genannten Vormaterialien für die oben aufgeführten Artikel vom Hersteller verwendet werden und verweisen hier auf die beigegefügte Spezifikation und den dazugehörigen Datenblättern vom Hersteller.

Geschäftsführer: Erik L. A. Trum
Marck C. M. Jansen

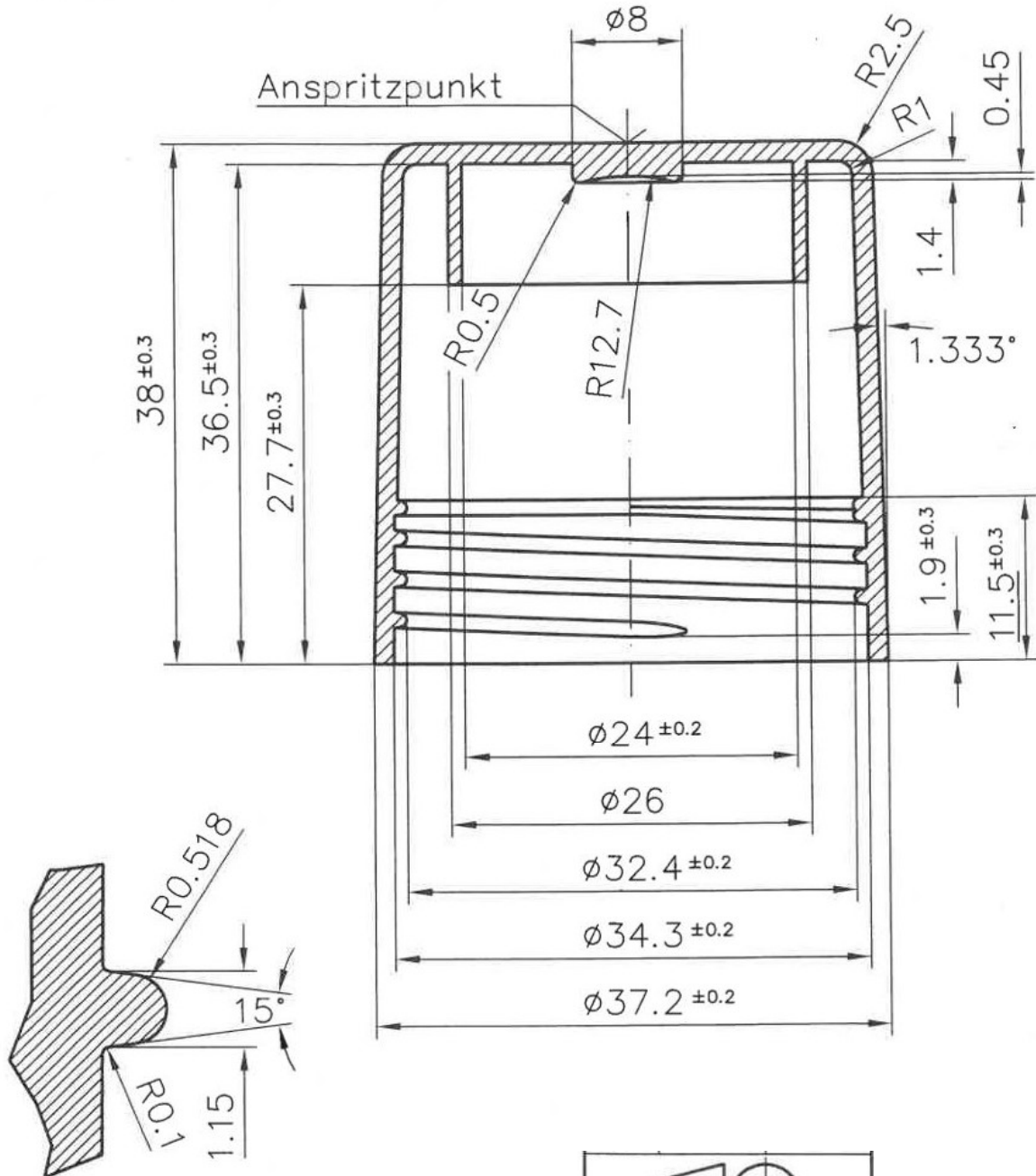
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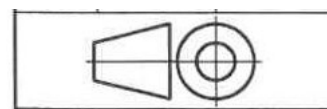
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Zeichnungsausschnitt



Gewindeprofil M. 10:1
Gew.-Steigung 3mm



Allgemein-
toleranz
ISO 2768-m

Material: PP
Entformungsschräge: 0.5°
Außenfacon poliert

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Mark C. M. Jansen

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Datenblätter (Material, Farbe, Additiv)



Global Product Strategy (GPS) Safety Summary

Polypropylene

This GPS Safety Summary is a high-level summary intended to provide the general public with an overview of product safety information on this product. It is not intended to provide emergency response, medical or treatment information, or to provide an overview of all safety and health information. This summary is not intended to replace the Safety Data Sheet. For detailed guidance on the use or regulatory status of this product, please consult the Safety Data Sheet, and the Product Stewardship Bulletin (PSB).

Chemical Identity

Chemical name: polypropylene homopolymer

CAS number: 9003-07-0

Molecular formula: $(C_3H_6)_n$

Chemical name: 1-propene, polymer with ethene

CAS number: 9010-79-1

Molecular formula: $(C_3H_6)_n(C_2H_4)_x$

Chemical name: 1-propene polymer with 1-butene

CAS number: 29160-13-2

Molecular formula: $(C_3H_6)_n(C_4H_8)_x$

Chemical name: 1-butene, polymer with ethene and 1-propene

CAS number: 25895-47-0

Molecular formula: $(C_3H_6)_n(C_2H_4)_x(C_4H_8)_y$

Uses and Applications

Polyolefins, such as polypropylene and polyethylene, are thermoplastics and comprise approximately two-thirds of thermoplastics demand worldwide. Since their industrial commercialization, thermoplastics have been used in wide-ranging applications and continue to replace traditional materials such as metal, glass, paper and wood.

Polypropylene (PP) is produced by the catalytic polymerization of propylene. Polypropylene is the single largest polyolefin product produced worldwide. LyondellBasell produces homopolymer, impact copolymer, random copolymer and Metallocene polypropylenes.

Our products are used in consumer, automotive and industrial applications ranging from food and beverage packaging to housewares and construction materials.

GPS Safety Summary

Polypropylene

5 June 2015 Page 1 of 5

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LyondellBasell also specializes in specialty product lines including polypropylene (PP) compounds and *Catalloy* resins. Specialty polyolefins and compounds offer a wide range of tailored performance characteristics. Typical properties of such specialty polyolefins and compounds include impact-stiffness balance, scratch resistance, soft touch and heat sealability. PP compounds consist of specialty products produced from blends of polyolefins and additives and are sold mainly to the automotive and home appliance industries.

LyondellBasell is the only manufacturer of *Catalloy* process resins, which are proprietary products. These specialty polyolefins offer a wide range of performance characteristics. *Catalloy* process resins compete with materials such as, flexible PVC, ethylene propylene rubber, acrylonitrile butadiene styrene (ABS), polycarbonate, metals and reinforced polyurethanes.

Polypropylene resins are versatile and can be used in applications such as:

Polypropylene resins

These products are primarily used to manufacture fibers for carpets, rugs and upholstery; food and pharmaceutical packaging; industrial packaging; housewares and beverage cups; appliances; medical products; automotive components; battery cases; bumpers; toys and sporting goods; and bottle caps and closures.

Polypropylene compounds

These products are primarily used to manufacture automotive interior and exterior trims, bumpers and under-hood applications. These resins are used as base materials for products and parts used in appliances; anti-corrosion coatings for steel piping; and in wire and cable applications.

Catalloy process resins

These products are primarily used in modifying polymer properties in film applications and molded products; specialty films; geomembranes and roofing materials; bitumen modification for roofing and asphalt applications; and manufacturing automotive bumpers.

Physical / Chemical Properties

Polypropylene resins are solid polymers that are stable at ambient temperatures. When heated to very high temperatures, the resins may burn or decompose to flammable hydrocarbons. Most polypropylene grades have good chemical resistance.

Common commercial grades of polypropylene have a melting point in the range of 145°C - 165°C (295°F - 330°F). Some specialty resin grades have melting points in the range of 125°C - 140°C (257°F - 284°F).

Polypropylene dust may form explosive mixtures with air.

Health Effects

Health hazards are negligible at ambient temperatures because of the polymers' high molecular weight, minimal toxicity and general inertness. Polypropylene polymers have a low irritation and sensitization potential. Hot material may cause thermal burns.

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At processing temperatures, irritating fumes may cause soreness in the nose and throat; coughing may result. If the product is spilled, it may create slipping hazards.

The United States Occupational Safety and Health Administration (OSHA) and European Union (EU) regulations consider polypropylene polymers as non-hazardous with regard to health hazards. The United States Department of Transportation (USDOT) and the United Nations (UN) Model regulations consider polypropylene polymers to be non-hazardous.

Environmental Effects

Polypropylene resins are not expected to be toxic to the environment. Polypropylene is not considered biodegradable as it biodegrades at a slow rate and may persist in the environment.

Exposure

During handling or processing of polypropylene resins, exposure to hot material, fumes and dust may take place. For such activities, exposure should be controlled by selecting and applying the appropriate Risk Management Measures.

Spillage of polypropylene resin may cause exposure to the environment, which can be minimized by proper design of equipment, handling procedures and cleaning-up spilled pellets or granules immediately.

Risk Management Guidance

For detailed guidance on the use of polypropylene polymers and compounds, please consult the Safety Data Sheet.

In general, recommended risk management measures will include, but may not be limited to the following:

- Avoid contact with strong oxidizers, excessive heat, sparks or open flame.
- Clean-up spilled pellets or granules to prevent slipping hazard, or environmental exposure.
- Ventilate area during handling or processing of polypropylene resins to prevent accumulation of dust and fumes.
- Use appropriate Personnel Protective Equipment (PPE) when dust or fumes are present.

In addition, the following measures will help reduce the loss of pellets to the environment:

- Bulk-handling equipment to minimize pellet leakage.
- Screening placed in storm drains.
- Proper emptying and sealing of bulk containers (rail or truck) prior to shipment to prevent loss of residual pellets from unsealed "empty" bulk cars and trucks.

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Regulatory Information / Classification and Labeling

For a detailed overview of the regulatory status of these substances, please refer to the Product Stewardship Bulletin (PSB) available on the LyondellBasell corporate website.

For a detailed overview of the classification and labeling of this product, please refer to the regional Safety Data Sheet found on the LyondellBasell corporate website.

Conclusion Statements

- Polypropylene resins are versatile materials with a wide range of uses in consumer and industrial end-use applications.
- Polypropylene is considered non-hazardous to humans and the environment.
- During processing of polypropylene resins, the material can be hot, irritating fumes may be present, and dust can be formed. The use of personal protective equipment and good ventilation is recommended during the processing of these resins.

Contact Information within Company

For further information on this product in general, please consult www.lyb.com.

Date of issue

Date of issue: 5 June 2015.

Disclaimer

Before using a product sold by a company of the LyondellBasell family of companies, users should make their own independent determination that the product is suitable for the intended use and can be used safely and legally.

SELLER MAKES NO WARRANTY; EXPRESS OR IMPLIED (INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY WARRANTY) OTHER THAN AS SEPARATELY AGREED TO BY THE PARTIES IN A CONTRACT.

This product(s) may not be used in:

- (i) any U.S. FDA Class I, Health Canada Class I, and/or European Union Class I medical devices, without prior notification to Seller for each specific product and application; or
 - (ii) the manufacture of any of the following, without prior written approval by Seller for each specific product and application: U.S. FDA Class II Medical Devices; Health Canada Class II or Class III Medical Devices; European Union Class II Medical Devices; film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned medical devices; packaging in direct contact with a pharmaceutical active ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration; tobacco related products and applications, electronic cigarettes and similar devices, and pressure pipe or fittings that are considered a part or component of a nuclear reactor.
- Additionally, the product(s) may not be used in: (i) U.S. FDA Class III Medical Devices; Health Canada Class IV Medical Devices; European Class III Medical Devices; (ii) applications involving

GPS Safety Summary

Polypropylene

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permanent implantation into the body; (iii) life-sustaining medical applications; and (iv) lead, asbestos or MTBE related applications. All references to U.S. FDA, Health Canada, and European Union regulations include another country's equivalent regulatory classification.

Users should review the applicable Safety Data Sheet before handling the product.

All information ("Information") contained herein is provided without compensation and is intended to be general in nature. You should not rely on it in making any decision. LyondellBasell accepts no responsibility for results obtained by the application of this Information, and disclaims liability for all damages, including without limitation, direct, indirect, incidental, consequential, special, exemplary or punitive damages, alleged to have been caused by or in connection with the use of this Information. LyondellBasell disclaims all warranties, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose, that might arise in connection with this information.

Polypropylene is a product of Equistar Chemicals LP, Basell Sales & Marketing Company B.V. and other companies of the LyondellBasell group

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Status on REACH Regulation (EU) No. 1907/2006

If the product has been purchased from any company of the LyondellBasell group of companies registered in the European Union, we confirm that all substances in this preparation have been registered under REACH, in accordance with the deadlines set forth in REACH. (Regulation (EU) No. 1907/2006)

This document is valid until the next relevant legislative and/or regulatory change.

Statement managed by LyondellBasell – Product Safety Department

Issue date: January 16, 2020

Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification, either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

In addition to any prohibitions of use specifically noted in this document, LyondellBasell may further prohibit or restrict the sale of its products into certain applications. For further information, please contact a LyondellBasell representative or visit the LyondellBasell website at: <https://www.lyondellbasell.com/en/products-technology/product-safety-stewardship/>

The Trademark referenced within the product name is owned or used by the LyondellBasell family of companies.

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January 23, 2020
Anette Christel
Werner Heinz GmbH & Co. KG
Schützenstraße 10
96355 Tettau



Moplen HP500N

A product of Basell Sales & Marketing Company B.V.; Basell International Trading FZE

Dear Anette Christel:

The following is in response to your request for Product Stewardship Information (PSInfo) for the product listed above. The attached Product Stewardship Bulletin (PSB) details the regulatory status of this product.

LyondellBasell Industries responds to product stewardship requests with a standardized Product Stewardship Bulletin (PSB) which summarizes the global regulatory status of a product. LyondellBasell Industries will not complete customers' forms or questionnaires. Standardized responses provide each customer with consistent information in a timely fashion. Each request is reviewed to ensure our response documents provide relevant information.

Please note that compliance with these regulations should not be interpreted to guarantee that the product, will, in fact, perform in a particular application. Your Technical Service Representative can help you determine that the characteristics of the product are compatible with the desired conditions of use.

Should you have any further questions concerning a LyondellBasell product, or if we can assist in any other way, please do not hesitate to contact us.

Best regards,

Roberta Marzolla
Product Steward
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roberta.marzolla@lyondellbasell.com

Frederick Chan
Product Stewardship Manager, Asia Pacific,
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Product Stewardship Bulletin



Moplen HP500N

A product of Basell Sales & Marketing Company B.V.; Basell International Trading FZE

Global Food Contact Status:

European Union

This product complies with the relevant requirements of Regulation 1935/2004/EC (Framework Regulation) as applicable to intermediate materials (e.g. plastic powders, plastic granules or plastic flakes).

This product complies with the relevant requirements of Regulation 2023/2006/EC (GMP) and as amended, applicable to intermediate materials (e.g. plastic powders, plastic granules or plastic flakes).

This product complies with the relevant requirements of Regulation 10/2011/EC (PIM) as amended, applicable to intermediate materials (e.g. plastic powders, plastic granules or plastic flakes).

The monomers and additives used to produce this product are listed in the Union List of Authorized Substances of Regulation 10/2011/EC and subsequent amendments.

EU Regulation 10/2011/EC specifies 10 mg/dm² as the maximum overall migration (OML) from the finished plastic food contact material or article. The OML and SMLs (when applicable) should be determined according to the requirements specified in EU Regulation 10/2011/EC and subsequent amendments. The OML and SML determinations are the responsibility of the manufacturer of the finished plastic food contact material or article. In addition, we remind you that the manufacturers of the finished food contact material or article must verify that the finished material or article, manufactured according to good manufacturing practices, does not modify the organoleptic properties of the food.

SML Components

This product contains one or more components with Specific Migration Limits (SMLs).

39815; 9,9-bis(methoxymethyl)-9H-fluorene; SML = 0.05mg/kg

SML = 1 mg/kg (expressed as Aluminium)

39090; N,N-bis(2-hydroxyethyl)alkyl (C8-C18)amine; SML(T) = 1.2 mg/kg

39120; N,N-bis(2-hydroxyethyl)alkyl (C8-C18)amine hydrochlorides; SML(T) = 1.2 mg/kg (Expressed as tertiary amine excluding HCl)

LyondellBasell
Product Stewardship Information
Date: 1/23/2020

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Moplen HP500N
Recipient Tracking #:
Request #: 2243900

Geschäftsführer:

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68320; Octadecyl 3(3,5-Di-tert-butyl-4-hydroxyphenyl) propionate; SML = 6 mg/kg

Dual Use Additives

This product contains one or more Dual Use Additives as defined in Regulation 10/2011/EC.

- ▶ E 470a Calcium salts of fatty acids

United States

The base resin in this product meets the FDA requirements contained in the Code of Federal Regulations in 21 CFR 177.1520(a)(1)(i) and (c)1.1a.

This product may contain adjuvant substances that may be safely used in polymers used for the manufacture of articles that come into direct contact with food. According to our information, these substances used in this product meet the requirements of their respective FDA regulations, FCNs, and 21 CFR 177.1520(b).

This product meets the FDA criteria in 21 CFR 177.1520 for food contact applications, including cooking, listed under conditions of use A through H in 21 CFR 176.170(c), Table 2, and can be used in contact with all food types as listed in 21 CFR 176.170(c), Table 1.

China

GB4806.1-2016 - Food Contact Material & Articles General Safety Requirement

This product complies with relevant requirements of GB4806.1-2016 - Food Contact Material & Articles General Safety Requirement, as applicable to Plastic Resins.

GB31603-2015: General Hygiene Standard for Production of Food Contact Materials and Articles

The manufacturing process of this product complies with the relevant requirements of GB31603-2015, as applicable to polymer resin production.

GB4806.6-2016 - National Food Safety Standard: Food Contact Resins

The base resin in this product complies with the specifications established in GB4806.6-2016, "National Food Safety Standard: Food Contact Resins, Appendix A.1, Serial Number 74, resin type: PP."

No monomer(s) with SMLs are present in this base resin.

GB9685-2016 - National Food Safety Standard: Additives for use in Food Contact Materials and Articles

The additives used in this product comply with the requirement of "GB9685-2016 National Food Safety Standard: Additives for use in Food Contact Materials and Articles" and relevant approval announcements.

LyondellBasell
Product Stewardship Information
Date: 1/23/2020

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Moplen HP500N
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Request #: 2243900

Geschäftsführer:

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Marck C. M. Jansen

Verwaltungssitz:

NL – 6604 Wijchen

Sitz der Gesellschaft:

DE – 96332 Pressig

Bankverbindung:

Name

VR Bank Oberfranken Mitte eG

IBAN

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SWIFT (BIC)

GENODEF1KU1

Handelsregistereintrag:

Amtsgericht Coburg HRB 4496

UST.ID-Nr. (VAT):

DE 261179387

Steuernummer:

212/133/60083



a **berlin packaging** company

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Please note that some additives could have migration (SML, SML (T)) and/or Maximum Residual (QM) restrictions applicable to final food contact articles, the identities of which may or may not be disclosed in this document.

One or more additives with Maximum Residual (QM) specifications may be used in this product.

SML/SML(T) Additives:

The following additives with Specific Migration Limit (SML) and/or Total Specific Migration Limit (SML (T)) specifications are used in this product:

- ▶ FCA 0576; Octadecyl 3-(4-hydroxy-3,5-di-tert-butylphenyl)propionate; SML = 6mg/kg

General Remarks

GB4806.1-2016 "Food Contact Materials & Articles -General Safety Requirement" Clause 8.4, requires only the manufacturer of the finished plastic food contact article to declare compliance with OML specification.

Final plastic food contact articles may have additional compliance requirements and are the responsibility of the manufacturer of the finished plastic food article.

MERCOSUR

This product contains only monomers and/or polymers listed on the positives list in Annex I, of MERCOSUR GMC RES. No. 2/12, Positive list of monomers and polymers to be used in packaging in contact with food.

This product contains only additives included in Annex 1, of MERCOSUR GMC RES. No. 39/19, Positive list of additives to be used in packaging in contact with food.

This product contains one or more components with LMEs (Specific Migration Limits).

This product complies with the relevant requirements of Mercosur GMC Resolution RES N° 03/92, General Criteria of Packaging and Food Equipment in Contact with Foods.

The manufacturers of the final article must verify that the final article does not exceed overall migration limits that apply to the finished food packaging material.

Allergen Statements

Allergen - Food Allergen European Regulation 1169/2011

The food ingredients listed in Annex II of Regulation (EU) No 1169/2011, are not used in the manufacture of or formulation of this product. However, this product has not been tested for these substances.

Biomedical Policy

LyondellBasell
Product Stewardship Information
Date: 1/23/2020

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Moplen HP500N
Recipient Tracking #:
Request #: 2243900

Geschäftsführer:	Erik L. A. Trum Marck C. M. Jansen	Verwaltungssitz:	NL – 6604 Wijchen
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This product(s) may not be used in:

(i) any U.S. FDA Class I, Health Canada Class I, and/or European Union Class I Medical Devices, without prior notification to Seller for each specific product and application; or (ii) the manufacture of any of the following, without prior written approval by Seller for each specific product and application: (1) U.S. FDA Class II, Health Canada Class II or Class III, and/or European Union Class II Medical Devices; (2) film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned Medical Devices; (3) packaging in direct contact with a pharmaceutical active ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration; (4) tobacco related products and applications; (5) electronic cigarettes and similar devices.

(iii) Additionally, the product(s) may not be used in: (1) U.S. FDA Class III, Health Canada Class IV, and/or European Class III Medical Devices; (2) applications involving permanent implantation into the body; (3) life-sustaining medical applications.

All references to U.S. FDA, Health Canada, and European Union regulations include other country's equivalent regulatory classifications.

Animal Based Raw-Materials (BSE/TSE)

Tallow

Tallow derived additives may be used in the manufacture of this product.

Europe - BSE/TSE - "Mad Cow"

Tallow derived materials used in this product fulfill the requirements laid down in the Regulations 1069/2009/EC, and 142/2011/EC, and the "Note for Guidance EMA/410/01, and as amended.

Epoxy Derivatives

The materials BADGE, BFDGE or NOGE are not intentionally added in this product as referenced in Commission Regulation 1895/2005/EC, on the use of certain epoxy derivatives in materials and articles intended to come into contact with foodstuffs as plasticizers, additives or raw materials.

California Prop 65

Please refer to the US SDS for communications regarding California Proposition 65. In case US SDS is not available please contact global.chem.control@lyondellbasell.com.

Conflict Minerals (Dodd-Frank Wall Street Reform and Consumer Protection Act - September, 2010)

Please see link below for the position of LyondellBasell concerning this Act:

<https://www.lyondellbasell.com/en/investors/corporate-governance/?id=52>

The link to this document is located in the right margin under the heading "Corporate Governance Documents" titled "Conflict Minerals Policy".

LyondellBasell
Product Stewardship Information
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Moplen HP500N
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Genetically Modified Organisms (GMO)

Additives derived from Genetically Modified Organisms (GMO's) are not intentionally used in the formulation of this product.

Halal Certification

We do not certify our resins to be HALAL or in compliance with HALAL requirements.

Kosher Certification

We do not certify our resins to be Kosher or in compliance with Kosher requirements.

Latex

No materials containing latex or natural rubber are used in the manufacturing, handling and packaging processes for this product.

Metals Content

US CONEG

Based on the available documentation provided by our raw material suppliers, this product complies with the CONEG Model Legislation for requirements regarding the defined limit for the sum of heavy metals (lead, mercury, cadmium and hexavalent chromium).

EU Packaging and Packaging Waste

Based on the available documentation from raw materials suppliers, this product complies with the directive 94/62/EC and as amended concerning the defined limit(s) of heavy metals.

Restriction of Hazardous Substances in Electric and Electronic Equipment (RoHS)

RoHS Regulation refers to electrical and electronic equipment and not specifically to plastic raw materials. However, based on the available documentation from raw materials suppliers, this product complies with the requirements of the Directives 2002/95/EC and 2011/65/EU, as amended, concerning the limits of cadmium, lead, mercury, hexavalent chromium, polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE), bis(2-ethylhexyl)phthalate (DEHP), butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and diisobutyl phthalate (DIBP).

Nanomaterials

Nanomaterials (defined as natural, incidental or manufactured materials containing particles, in an unbound state or as an aggregate or as an agglomerate and where, for 50 % or more of the particles in the number size distribution, one or more external dimensions is in the size range 1 nm - 100 nm) are not used in the manufacture of or the formulation of this grade. However, this product has not been tested for these chemical substances.

LyondellBasell
Product Stewardship Information
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Moplen HP500N
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Other Chemicals

The chemical materials listed below are not intentionally used in the manufacture or the formulation of this product. However, this product has not been tested for these chemical materials.

- ▶ 2-(2H-1, 2, 3-Benzotriazol-2-yl)-4,6-di-tert-butylphenol; (Benzotriazole); CAS# 3846-71-7;
- ▶ 2,4,4'-trichloro-2'-hydroxydiphenyl ether; (Triclosan); CAS# 3380-34-5;
- ▶ 2-mercaptobenzothiazole; MBT; CAS# 149-30-4;
- ▶ Acrolein; (propenal); (CAS# 107-02-8);
- ▶ Acrylamide; CAS# 79-06-1;
- ▶ Aromatic amines;
- ▶ Asbestos;
- ▶ Azo Dyes and Pigments;
- ▶ Polyaromatic Hydrocarbons - PAHs:
 - 1,2-dihydro-acenaphthene; (CAS# 83-32-9);
 - Acenaphthylene; (CAS# 208-96-8);
 - Anthracene; (CAS# 120-12-7);
 - Benz(a)anthracene; (CAS# 56-55-3);
 - Benzo(a)pyrene; (CAS# 50-32-8);
 - Benzo(b)fluoranthene; (CAS# 205-99-2);
 - Benzo(e)pyrene; (CAS# 192-97-2);
 - Benzo(ghi)perylene; (CAS# 191-24-2);
 - Benzo(j)fluoranthene; (CAS# 205-82-3);
 - Benzo(k)fluoranthene; (CAS# 207-08-9);
 - Chrysene; (CAS# 218-01-9);
 - Dibenz(a,h)anthracene; (CAS# 53-70-3);
 - Fluoranthene; (CAS# 206-44-0);
 - Indeno(1,2,3-cd)pyrene; (CAS# 193-39-5);
 - Naphthalene; (CAS# 91-20-3);
 - Phenanthrene; (CAS# 85-01-8);
 - Pyrene; (CAS# 129-00-0);
- ▶ Bisphenol A; (BPA); CAS# 80-05-7;
- ▶ Bisphenol A diglycidyl ether; (BADGE); CAS# 1675-54-3;
- ▶ Bisphenol F diglycidyl ether; BFDGE; CAS# 2095-03-6;
- ▶ Butylated hydroxyanisole; (BHA); CAS# 121-00-6 & 25013-16-5;
- ▶ Butylated hydroxytoluene; (BHT); CAS# 128-37-0
- ▶ Chlorinated paraffins;
- ▶ Cyanuric acid; (Isocyanuric Acid or CYA); CAS# 108-80-5;
- ▶ Dimethyl fumarate; (DMF); CAS# 624-49-7;
- ▶ Dioxins;

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- ▶ Epichlorohydrin; (ECH); CAS# 106-89-8;
- ▶ Fluorocarbons;
- ▶ Fluorotelomers
- ▶ Formaldehyde; CAS# 50-00-0;
- ▶ Formaldehyde in specific conditions could be formed during further resin processing (see SDS)
- ▶ Gold(Au); CAS# 7440-57-5;
- ▶ Halogenated Flame Retardants
- ▶ Melamine; (1,3,5-Triazine-2,4,6-triamine); CAS# 108-78-1;
- ▶ Nonylphenol; CAS# 25154-52-3;
- ▶ Nonylphenol ethoxylates;
- ▶ Novolac glycidyl ether;
- ▶ Organotin compounds;
- ▶ Perfluorochemicals; (PFCs);
- ▶ Perfluorooctane sulfonate; (PFOS); CAS# 1763-23-1;
- ▶ Perfluorooctanoic acid; (PFOA); CAS# 335-67-1;
- ▶ Polybrominated biphenyls; (PBBs);
- ▶ Polybrominated diphenyl ethers; (PBDEs);
- ▶ Polybrominated terphenyls; (PBTs);
- ▶ Polychlorinated biphenyls; (PCBs);
- ▶ Polychlorinated naphthalenes; (PCNs);
- ▶ Polychlorinated terphenyls; (PCTs);
- ▶ Polystyrene;
- ▶ Polyvinyl chloride; (PVC); CAS# 9002-86-2;
- ▶ Styrene monomer; CAS# 100-42-5;
- ▶ Sulphur dioxide; CAS# 7446-09-5;
- ▶ Tin oxide (SnO₂); (Cassiterite); CAS# 8062-08-6;
- ▶ Tris-nonylphenol phosphite; (TNPP); CAS# 26523-78-4;
- ▶ Vinyl chloride monomer; CAS RN 75-01-4; VCM
- ▶ Wolframite; Tungsten (W); CAS# 1332-08-7;

Ozone Depleting Substances

European Union

LyondellBasell
Product Stewardship Information
Date: 1/23/2020

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Moplen HP500N
Recipient Tracking #:
Request #: 2243900

Geschäftsführer:

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Marck C. M. Jansen

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The ozone-depleting substances (ODS), listed in the Annexes I & II of the Regulation (EC) No 1005/2009 of 16 September 2009, are not intentionally used in the manufacture of or formulation of this product.

United States

Materials listed in the Clean Air Act Amendments of 1990 (Class I, CFC's and Class II, HCFC's, Halons and the solvents, carbon tetrachloride and 1,1,1-trichloroethane) are not intentionally used in the production of this product.

Phthalates

Polyolefins do not require the use of plasticizers (such as phthalates) to make them soft and flexible. Lyondellbasell does not add phthalates to its polyolefin products as plasticizers. However, traces of phthalates may be present in some products as impurities from the catalytic system.

REACH Substances of Very High Concern (SVHC)

This product does not contain any of the Annex XIV substances on the Authorisation list or Annex XIV candidate chemicals proposed to be Substances of Very High Concern for Authorisation (List as of January 16th , 2020) above the 0.1 % threshold as stated in REACH (Article 57, Regulation No. 1907/2006) determined either through (i) non-use of the substance, (ii) mass balance calculation, or (iii) specific testing. The current list of all SVHCs can be found at ECHA website link listed below:

<https://www.echa.europa.eu/candidate-list-table>

Global Chemical Control Regulations

All ingredients in this product are in compliance with the following chemical inventories:

See Section 15, of the SDS (Safety Data Sheet) for Global Chemical Inventories.

Global Toy Regulations:

CEN EN Standards refer to safety of toys and not specifically to plastic raw materials. According to the information provided by our raw material suppliers, we deem this product should comply with the requirements of CEN standards EN71-3 / EN71-9 (as amended) as applicable to plastic raw materials (pellets, powder, flakes). However, this product has not been tested according to these CEN Standards.

VOC Content

Switzerland VOC Declaration

This product contains less than 3% VOC's of the substances in the positive lists of the Switzerland Regulations "VOC-LENKUNGSABGABE."

CEN Standard EN13432:2004

LyondellBasell
Product Stewardship Information
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Moplen HP500N
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This product is not suitable for composting.

Energy Recovery - CEN Standard EN 13431:2004

The calorific gain from polypropylene in an energy recovery process is 24 MJ/kg.

Disclaimer

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Trademarks

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LyondellBasell
Product Stewardship Information
Date: 1/23/2020

Page 10 of 10

Moplen HP500N
Recipient Tracking #:
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Geschäftsführer:

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Food contact declaration - FDA

Product

POLYWHITE 8625 RC (116004)

This document is valid until the next relevant legislative, regulatory and /or compositional change.

USA

The components of this product are compliant with the following FDA regulations on food contact: 21 CFR §175.105, 21 CFR §175.300, 21 CFR §177.1520(c)2.1, 21 CFR §177.2600, 21 CFR §178.2010, 21 CFR §178.3297, 21 CFR §182.8994

The following limitations apply:

- According to 176.170 Table 1: All food types
- According to 176.170 Table 2: C - H

Company contact

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EU: ASI-productsafety.emea@lyondellbasell.com
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Responsibility

Appropriate overall and specific migration tests on the final material or article will determine the regulatory suitability for contact with different food types and various end-use conditions, however, these are beyond the control of LyondellBasell and are a part of the responsibility of the user of this product.

Statement managed by LyondellBasell – Product Safety Department

Date: 20/03/2020

This document is created electronically and is valid without signature.

Original text: English

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Technical Data Sheet

Moplen HP500N

Polypropylene, Homopolymer



Product Description

Moplen HP500N is a homopolymer used for general purpose injection moulding applications. It exhibits good flow and stiffness. Moplen HP500N is suitable for food contact.

Regulatory Status

For regulatory compliance information, see Moplen HP500N [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Europe
Application	Furniture; Housewares
Market	Compounding; Consumer Products; Rigid Packaging
Processing Method	Compounding; Injection Blow Molding
Attribute	Medium Flow; Medium Stiffness

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	12	g/10 min	ASTM D1238
Density	0.90	g/cm ³	ASTM D792
Mechanical			
Flexural Modulus	1480	MPa	ASTM D790
Tensile Strength at Yield	34	MPa	ASTM D638
Tensile Elongation at Yield	10	%	ASTM D638
Impact			
Notched Izod Impact Strength, (23 °C)	25	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load, (0.46 N/mm ²)	97	°C	ASTM D648



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Notes

ASTM properties above are typical values of LYB products from Asia.

These are typical property values not to be construed as specification limits.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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LyondellBasell
Technical Data Sheet
Date: 7/10/2020

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Moplen HP500N
Recipient Tracking #:
Request #: 2473707

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Technical Data Sheet

Moplen HP500N

Polypropylene, Homopolymer



Product Description

Moplen HP500N is a homopolymer used for general purpose injection moulding applications. It exhibits good flow and stiffness. Moplen HP500N is suitable for food contact.

Regulatory Status

For regulatory compliance information, see Moplen HP500N [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Europe
Application	Furniture; Housewares
Market	Compounding; Consumer Products; Rigid Packaging
Processing Method	Compounding; Injection Blow Molding
Attribute	Medium Flow; Medium Stiffness

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	12	g/10 min	ISO 1133-1
Density	0.90	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	1400	MPa	ISO 527-1, -2
Tensile Stress at Yield	35	MPa	ISO 527-1, -2
Tensile Strain at Break	> 50	%	ISO 527-1, -2
Tensile Strain at Yield	10	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	4	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature			
(A/50 N)	153	°C	ISO 306
(B50)	85	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	95	°C	ISO 75B-1, -2

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a **berlin packaging** company

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Notes

ISO properties above are typical values of LYB products from Europe.

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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LyondellBasell
Technical Data Sheet
Date: 7/10/2020

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Moplen HP500N
Recipient Tracking #:
Request #: 2473705

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