



Release Innovation™

ULTRA PURGE™ PURGING COMPOUNDS EXTRUSION APPLICATIONS

INDEX

WHY PURGE COMPOUNDS?

A Chem-Trend purging compound can purge all of your biggest frustrations and keep you moving forward. When compared to traditional cleaning methods, our purging products provide better cleaning, prevent unwanted stop-pages, and save you money.

Best of all, implementing a Chem-Trend purging compound is simple and can be done without any significant changes in your process.



REQUEST A FREE SAMPLE today, and swap unnecessary hassle for unlimited potential.

FREE SAMPLE

WATCH OUR LATEST VIDEO
Ultra Purge® 3615 on action.

**ULTRA PURGE™
3615**

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PIPES & PROFILES

Purging heads and dies has never been easier. Ultra Purge™ 3615 has a no-residue feature, while Ultra Purge™ 1220 has an enhanced black spec removal characteristic.

RECYCABILITY

In cooperation with Fraunhofer IVV, Ultra Purge™ purging compounds were tested for recyclability. When blended up to 5% (by weight) in compatible and incompatible polymers, Ultra Purge™ purging compounds did not alter the physical or chemical properties of the resulting polymer mixture. Nevertheless, suitability tests must be carried out by the customer to confirm that the use of recycled purging compound does not create manufacturing or quality issues. Please note that neither Fraunhofer IVV nor Chem-Trend will accept any warranty or guarantee for the usability, or liability for damages resulting from the use, of any processing remainders of Ultra Purge™.

REGIONAL AVAILABILITY

Not all products listed in this document are available in all regions. Similar products may be available under a different name in your location. Please consult with your local Chem-Trend sales representative or an authorized Chem-Trend distribution partner to get further information on the best product available for your application.

ULTRA PURGE™ 3615

Ready-To-Use Purging Compound

Description

Ultra Purge™ 3615 is a ready-to-use purging compound.

Suitable for use in injection molding machines and extrusion lines. Consists of high quality thermoplastic polymers as well as highly efficient cleaning additives.

All components of the formulation of Ultra Purge™ 3615 are in compliance with:

EU Regulation No 10/2011 and

US-American legislation for food contact materials (21 CFR).

Benefits

- Rapid cleaning effect
- High efficiency
- No smell
- Easy to use

Typical Properties

Appearance: Blend of beige and translucent white granules.

These are typical values and should not be used to set specifications.



Polymers and blends	Suitability
Amorphous resins	++
Semi-crystalline polymers	++

Application

Ultra Purge™ 3615 can be used for the cleaning of screw, barrel and nozzle of injection molding machines and extrusion lines. Also suitable for the cleaning of hot-runners of injection molding machines.

Ultra Purge™ 3615 can be used for the cleaning of screw, barrel and head of blow moulding lines without accumulator head. Ultra Purge™ 3615 is suitable for colour and material changes as well as for removal of black specks.

When used as a preventive maintenance product Ultra Purge™ 3615 helps in preventing the development of black specks. The product can facilitate screw pull because it is easy to remove from the screw. Can be used also as a freezing agent for shut down procedures.

Ultra Purge™ 3615 can be used at processing temperatures up to 300°C / 572°F.

Request your customized instructions on how to use Ultra Purge™ 3615 by contacting your nearest sales office or local distributor. Please read carefully the SDS before using Ultra Purge™ 3615.

LEGAL NOTICE

The technical information and suggestions for use contained herein are based on our general experience and knowledge at the time of publication and are intended to give information of possible applications to a professional with technical experience. It does not release the customer from the obligation of performing their own tests with the product selected for a specific application. While the information and suggestions are believed to be accurate and reliable, nothing stated in this document is to be taken as a warranty either expressed or implied.

ULTRA PURGE™ 1220

Ready-To-Use Purging Compound

Description

Ultra Purge™ 1220 is a ready-to-use purging compound with Ultra-X™ technology that is suitable for use in injection moulding machines and extrusion lines. It consists of high quality thermo-plastic polymers as well as highly efficient cleaning additives.

All components of the formulation of Ultra Purge™ 1220 are in compliance with:

US-American legislation for food contact materials (21 CFR) and EU Regulation No 10/2011.

Benefits

- Easy to use
- High efficiency
- Rapid cleaning effect
- Wide range of applications

Typical Properties

Appearance: Blend of grayish-brown and translucent white granules mixed with grayish-brown tablets

These are typical values and should not be used to set specifications.



Polymers and blends	Suitability
Semi-crystalline polymers	++
PA	++

Polymers and blends

Polymers and blends	Suitability
POM	++
Polyolefins	++
Styrenics	+
TPE	+
TPU	++
PVC-HD	++
PVC-LD	+

Application

Ultra Purge™ 1220 can be used for the cleaning of screw, barrel and nozzle, of injection moulding machines and extrusion lines. Also suitable for the cleaning of hot-runners of injection moulding machines. Ultra Purge™ 1220 can be used for the cleaning of screw, barrel and head of blow moulding lines with and without accumulator head. The product is suitable for colour and material change as well as for removal of black specs.

Superior results are obtained when periodic cleaning is performed.

Ultra Purge™ 1220 can be used at processing temperature from 160°C / 320°F to 350°C / 662°F.

Request your **customized instructions on how to use**

Ultra Purge™ 1220 by contacting your nearest sales office or local distributor.

Pipes & Profiles

Blow Moulded Containers

Sheet & Film

Compounding Masterbatches

Lusin®

Videos

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BLOW MOULDED CONTAINERS

Blow moulding has it's own set of challenges.
Ultra Purge™ 3615 will help with restarts, colour changes
and contamination removal.

READ OUR CASE STUDY

Chem-Trend supports your blow moulding process with
efficient Ultra Purge™ purging solutions.

CASE STUDY

WATCH OUR VIDEO

Ultra Purge™ 3615 in action.

**ULTRA PURGE™
3615**

RECYCABILITY

In cooperation with Fraunhofer IVV, Ultra Purge™ purging compounds were tested for recyclability. When blended up to 5% (by weight) in compatible and incompatible polymers, Ultra Purge™ purging compounds did not alter the physical or chemical properties of the resulting polymer mixture. Nevertheless, suitability tests must be carried out by the customer to confirm that the use of recycled purging compound does not create manufacturing or quality issues. Please note that neither Fraunhofer IVV nor Chem-Trend will accept any warranty or guarantee for the usability, or liability for damages resulting from the use, of any processing remainders of Ultra Purge™.

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ULTRA PURGE™ 3615

Ready-To-Use Purging Compound

Description

Ultra Purge™ 3615 is a ready-to-use purging compound. It is suitable for use in injection moulding machines and extrusion lines. The product consists of high quality thermoplastic polymers as well as highly efficient cleaning additives.

All components of the formulation of Ultra Purge™ 3615 are in compliance with:

EU Regulation No 10/2011 and

US-American legislation for food contact materials (21 CFR).

Benefits

- Rapid cleaning effect
- High efficiency
- No smell
- Easy to use

Typical Properties

Appearance: Blend of beige and translucent white granules.

These are typical values and should not be used to set specifications.



Polymers and blends	Suitability
Amorphous resins	++
Semi-crystalline polymers	++

Application

Ultra Purge™ 3615 can be used for the cleaning of screw, barrel and nozzle of injection moulding machines and extrusion lines. Also suitable for the cleaning of hot-runners of injection moulding machines.

Ultra Purge™ 3615 can be used for the cleaning of screw, barrel and head of blow moulding lines without accumulator head. Ultra Purge™ 3615 is suitable for colour and material changes as well as for removal of black specks.

When used as a preventive maintenance product Ultra Purge™ 3615 helps in preventing the development of black specks. The product can facilitate screw pull because it is easy to remove from the screw. Can be used also as a freezing agent for shut down procedures.

Ultra Purge™ 3615 can be used at processing temperatures up to 300°C / 572°F.

Request your **customized instructions on how to use** Ultra Purge™ 3615 by contacting your nearest sales office or local distributor. Please read carefully the SDS before using Ultra Purge™ 3615.

Pipes &
Profiles

Blow Moulded
Containers

Sheet &
Film

Compounding
Masterbatches

Lusin®

Videos

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ULTRA PURGE™ 3060

Ready-To-Use Purging Compound

Description

Ultra Purge™ 3060 is a ready-to-use purging compound. Suitable for use in extrusion lines. Consists of high quality thermoplastic polymers as well as highly efficient cleaning additives.

Benefits

- Rapid cleaning effect
- High efficiency
- Easy to use
- Economical

Typical Properties

Appearance: Beige and translucent white granules mixed with grayish-brown tablets.

These are typical values and should not be used to set specifications.



Polymers and blends

Suitability

Polyolefins

++

Application

Especially suitable for polymers used in the blow molding process. Ultra Purge™ 3060 can be used for the cleaning of screw, barrel and head of blow moulding lines with accumulator head. The product is suitable for colour and material changes as well as for removal of black specks. Superior results are obtained when periodic cleaning is performed.

Ultra Purge™ 3060 can be used at processing temperatures up to 300°C / 572°F.

Request your **customized instructions on how to use** Ultra Purge™ 3060 by contacting your nearest sales office or local distributor.

Please read carefully the SDS before using Ultra Purge™ 3060.

Pipes &
Profiles

Blow Moulded
Containers

Sheet &
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Compounding
Masterbatches

Lusin®

Videos

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SHEETS & FILM

Blown or cast film is a high throughput process. With Ultra Purge™ PO-C you can maximise the uptime avoiding costly stops.

READ OUR CASE STUDY

Ultra Purge™ purging compound enables a quicker, cleaner and more efficient process in film extrusion.

CASE STUDY

RECYCABILITY

In cooperation with Fraunhofer IVV, Ultra Purge™ purging compounds were tested for recyclability. When blended up to 5% (by weight) in compatible and incompatible polymers, Ultra Purge™ purging compounds did not alter the physical or chemical properties of the resulting polymer mixture. Nevertheless, suitability tests must be carried out by the customer to confirm that the use of recycled purging compound does not create manufacturing or quality issues. Please note that neither Fraunhofer IVV nor Chem-Trend will accept any warranty or guarantee for the usability, or liability for damages resulting from the use, of any processing remainders of Ultra Purge™.

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ULTRA PURGE™ PO-C

Purging Concentrate

Description

Ultra Purge™ PO-C is a concentrated purging compound that needs to be mixed with polymer. It is suitable for use in injection moulding machines and extrusion lines. The product's active ingredients are highly efficient cleaning additives.

All components of the formulation of Ultra Purge™ PO-C are in compliance with:

US-American legislation for food contact materials (21 CFR) and EU Regulation No 10/2011.

Benefits

- Wide range of applications
- Easy to use
- Rapid cleaning effect
- High efficiency

Typical Properties

Appearance: Grayish-brown tablets

These are typical values and should not be used to set specifications.



Polymers and blends	Suitability
Semi-crystalline polymers	++
Polyolefins	++

Polymers and blends

Polymers and blends	Suitability
Styrenics	+
TPE	+

Application

Before usage, mix up to 10(%) by weight with unfilled virgin Polymer.

Ultra Purge™ PO-C can be used for the cleaning of screw, barrel and nozzle of injection moulding machines. Also suitable for the cleaning of hot-runner of injection moulding machines.

Ultra Purge™ PO-C can be used for the cleaning of screw, barrel and head of blown film lines.

Ultra Purge™ PO-C is especially recommended for colour or material change as well as for the removal of black specs.

Superior results are obtained when periodic cleaning is performed.

The product can be used at processing temperature from 170°C / 338°F to 320°C / 608°F.

Request your **customized instructions on how to use**

Ultra Purge™ PO-C by contacting your nearest sales office or local distributor.

Pipes & Profiles

Blow Moulded Containers

Sheet & Film

Compounding Masterbatches

Lusin®

Videos

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COMPOUNDING & MASTERBATCHES

Compounders achieve a 50-75% reduction in downtime* with our Ultra Purge™ 3615 specialty purging compound.

*compared with regular resin or traditional purging

WATCH OUR VIDEO

Ultra Purge™ 3615 in action.

**ULTRA PURGE™
3615**

RECYCABILITY

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ULTRA PURGE™ 3615

Ready-To-Use Purging Compound



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Profiles

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Lusin®

Videos

Description

Ultra Purge™ 3615 is a ready-to-use purging compound.

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Benefits

- Rapid cleaning effect
- High efficiency
- No smell
- Easy to use

Typical Properties

Appearance: Blend of beige and translucent white granules.

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Polymers and blends	Suitability
Amorphous resins	++
Semi-crystalline polymers	++

Application

Ultra Purge™ 3615 can be used for the cleaning of screw, barrel and nozzle of injection molding machines and extrusion lines. Also suitable for the cleaning of hot-runners of injection molding machines.

Ultra Purge™ 3615 can be used for the cleaning of screw, barrel and head of blow moulding lines without accumulator head. Ultra Purge™ 3615 is suitable for colour and material changes as well as for removal of black specks.

When used as a preventive maintenance product Ultra Purge™ 3615 helps in preventing the development of black specks. The product can facilitate screw pull because it is easy to remove from the screw. Can be used also as a freezing agent for shut down procedures.

Ultra Purge™ 3615 can be used at processing temperatures up to 300°C / 572°F.

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LUSIN®

Mould Maintenance Products & Release Agents

A COMPLETE SOLUTION FOR GREATER EFFICIENCY

For even greater efficiency and cost effectiveness, many of Chem-Trend's maintenance solutions and release agents offer multiple benefits in one product. And when used as a complete system, Lusin® mould maintenance products are designed to enhance the power of each product. As part of a regular maintenance routine, the combination of Lusin® cleaners, lubricants and mould protectants delivers maximum benefits.

Mould Maintenance Products

- Mould cleaners & degreasers
- Mould protectants
- Lubricants
- Preform and bottle coating

Release Agents

NOTE:

To find our digital Lusin® catalogue click on the picture or search for "Catalogues for Thermoplastics Applications" or "Lusin® Catalogue" on de.chemtrend.com/?lang=en.



Chem-Trend
Release Innovation™

LUSIN® RANGE OF PRODUCTS

MOULD MAINTENANCE

- Cleaners & Degreasers
- Mould Protectants (Anticorrosion)
- Lubricants
- Preform and bottle coating

RELEASE AGENTS

READ OUR CASE STUDY

Lusin® MC1718 eliminates buildup in injection moulding.

CASE STUDY

Pipes & Profiles

Blow Moulded Containers

Sheet & Film

Compounding Masterbatches

Lusin®

Videos

VIDEOS

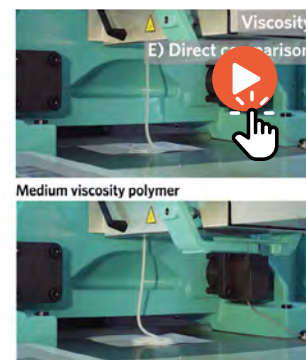
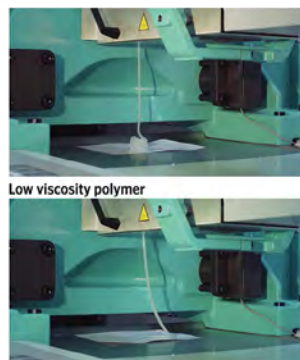
Education & Application

EDUCATIONAL VIDEOS

Why Purge Compounds?



Viscosity / Melt Flow Index



APPLICATION VIDEOS

Purging via part production



Purging screw and barrel



NOTE:

To find our videos on our website, either click on above pictures or search for the above mentioned keywords on de.chemtrend.com/?lang=en.

Pipes &
Profiles

Blow Moulded
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CATALOGUES

Purge Compounds per Application

CATALOGUE AUTOMOTIVE



CATALOGUE FOOD & HEALTHCARE



CATALOGUE TECHNICAL COMPONENTS



CATALOGUE SPECIAL APPLICATIONS



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NOTE:

To find our other purge compounds catalogues either click on above pictures or search for "Catalogues for Thermoplastics Applications" on de.chemtrend.com/?lang=en.



Release Innovation™

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