



*Release Innovation™*

# ULTRA PURGE™ PURGING COMPOUNDS SPECIAL APPLICATIONS

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## 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 stoppages, 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.



At Chem-Trend, we're here to help you keep moving forward.

**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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# SCREW REMOVING

Ultra Purge™ 3615 non-sticking properties will make screw removal quick and easy.

**WATCH OUR LATEST VIDEO**  
Ultra Purge® 3615 on 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™.

## 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



Screw Moving

Conductive  
PolymersTransparent  
Copolyester

Lusin®

Videos

## Description

Ultra Purge™ 3615 is a ready-to-use purging compound that is suitable for use in extrusion lines. It 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 US-American legislation for food contact materials (21 CFR) and EU Regulation No 10/2011.

## 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

Polyolefins

## Suitability

++

## Application

Ultra Purge™ 3615 can be used for the cleaning of screw, barrel and head of blow moulding lines with and without accumulator head.

Ultra Purge™ 3615 is suitable for colour and material change as well as for removal of black specs.

When used as a preventive maintenance product Ultra Purge™ 3615 helps in preventing the development of black specs.

The product can facilitate screw pull because it is easy to remove from the screw.

Ultra Purge™ 3615 can be used at processing temperature 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.

### 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.



# CONDUCTIVE POLYMERS

Dealing with high amounts of carbon filler has it's problems. Ultra Purge™ 3615 was designed to purge such applications.

**WATCH OUR LATEST VIDEO**  
Ultra Purge® 3615 on 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 that is suitable for use in extrusion lines. It 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 US-American legislation for food contact materials (21 CFR) and EU Regulation No 10/2011.

## 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

Polyolefins

## Suitability

++

## Application

Ultra Purge™ 3615 can be used for the cleaning of screw, barrel and head of blow moulding lines with and without accumulator head.

Ultra Purge™ 3615 is suitable for colour and material change as well as for removal of black specs.

When used as a preventive maintenance product Ultra Purge™ 3615 helps in preventing the development of black specs.

The product can facilitate screw pull because it is easy to remove from the screw.

Ultra Purge™ 3615 can be used at processing temperature 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.

Screw Moving

Conductive  
Polymers

Transparent  
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Videos

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# TRANSPARENT COPOLYMER

Copolyesters are replacing polycarbonate for food applications. Ultra Purge™ 5100 features food approval and best performance for the task.

## 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

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# ULTRA PURGE™ 5100

Ready-To-Use Purging Compound

## Description

Ultra Purge™ 5100 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™ 5100 are in compliance with US-American legislation for food contact materials (21 CFR) and EU Regulation No 10/2011.

## Benefits

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

## Typical Properties

Appearance: Grayish-brown and transparent granules mixed with grayish-brown tablets

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



Polymers and blends	Suitability
Amorphous polymers	++
PA	+

## Polymers and blends

Polymers and blends	Suitability
PET	++
Styrenics	+
TPE	+
TPU	+

## Application

Ultra Purge™ 5100 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-runner of injection moulding machines.

Ultra Purge™ 5100 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.

Ultra Purge™ 5100 can be used at processing temperature from 190°C / 374°F to 320°C / 608°F.

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

Ultra Purge™ 5100 by contacting your nearest sales office or local distributor.

Screw Moving

Conductive  
PolymersTransparent  
Copolyester

Lusin®

Videos

### LEGAL NOTICE

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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](http://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.

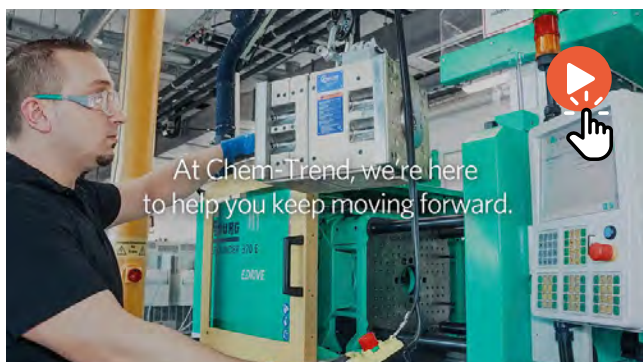
#### CASE STUDY

# VIDEOS

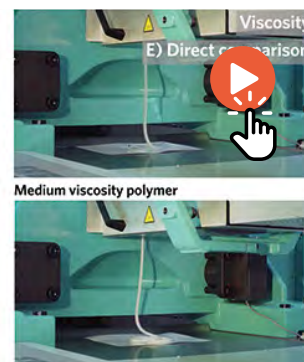
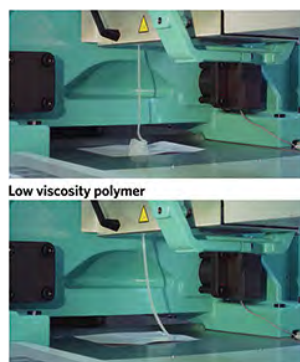
Education & Application

## EDUCATIONAL VIDEOS

Why Purge Compounds?

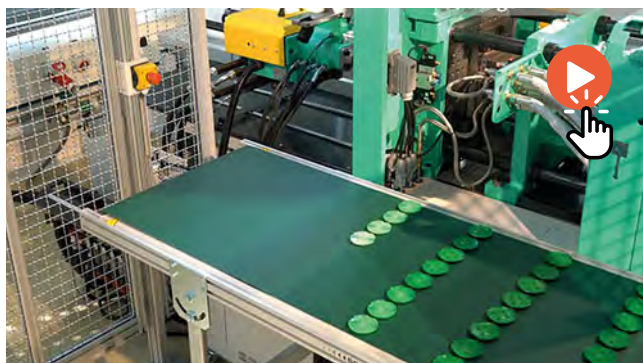


Viscosity / Melt Flow Index



## 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](http://de.chemtrend.com/?lang=en).

Screw Moving

Conductive  
Polymers

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Videos

# CATALOGUES

Purge Compounds per Application

## CATALOGUE AUTOMOTIVE



## CATALOGUE TECHNICAL COMPONENTS



## CATALOGUE EXTRUSION APPLICATIONS



## CATALOGUE FOOD & HEALTHCARE



### 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](https://de.chemtrend.com/?lang=en).

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