



*Release Innovation™*

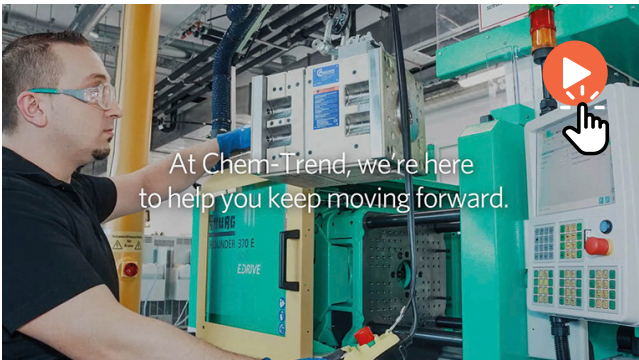
ULTRA PURGE™  
PURGING COMPOUNDS  
AUTOMOTIVE

# 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**

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# INTERIORS & EXTERIORS

Our customers use 2 to 3 times less Ultra Purge™ compared to mechanical purging compounds and have an estimated 50% to 80% reduction in scrap and downtime.

Ultra Purge™ 1220, Ultra Purge™ PO and Ultra Purge™ 5000 are safe for hot tip and valve gated hot-runner systems.

Ultra Purge™ 8516 maximises the cleaning performance for very used machines and critical situations.

## RECYCABILITY

In cooperation with Fraunhofer IVV, tests regarding the recyclability of Ultra Purge™ purging compound were carried out. The recycled residues consisted of purging compound and two different polymers, compatible as well as incompatible. With additions of up to 5% recycled purging compound, the impact on physical and chemical properties of the resulting recycled material were insignificant in these tests. 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™ 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

Crystalline polymers

PA

### Product

++

++

### Polymers and blends

POM

Polyolefins

Styrenics (PS, SAN, HIPS...)

TPE

TPU

PVC (hard)

PVC (soft)

### Product

++

++

+

+

++

++

+

### 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-runner 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.

#### 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™ PO

Ready-To-Use Purging Compound

## Description

Ultra Purge™ PO is a ready-to-use purging compound that 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 are in compliance with US-American legislation for food contact materials (21 CFR) and EU Regulation No 10/2011.

## Benefits

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

## Typical Properties

Appearance: Translucent white granules mixed with grayish-brown tablets

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



Polymers and blends	Product
Crystalline polymers	++
Polyolefins	++

## Polymers and blends

Polymers and blends	Product
Styrenics (PS, SAN, HIPS...)	+
TPE	+

## Application

Ultra Purge™ PO 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™ PO 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 300°C / 572°F.

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

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# ULTRA PURGE™ 8516

Ready-To-Use Purging Compound

## Description

Ultra Purge™ 8516 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.

## Benefits

- Recommended for conductive polymers
- Easy to use
- High efficiency
- Rapid cleaning effect
- Wide range of applications

## Typical Properties

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

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



Mechanical

Hybrid

Chemical

## Polymers and blends

Polymers and blends	Product
Crystalline polymers	++
PA	++
POM	++
Polyolefins	++

## Polymers and blends

Polymers and blends	Product
Styrenics (PS, SAN, HIPS...)	+
TPE	+
PVC (hard)	++
TPU	++

## Application

Ultra Purge™ 8516 can be used for the cleaning of screw, barrel and nozzle, of injection moulding machines and extrusion lines. 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™ 8516 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™ 8516 by contacting your nearest sales office or local distributor.

Interiors &  
Exteriors

Lighting

Lusin®

Videos

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# ULTRA PURGE™ 5000

Ready-To-Use Purging Compound

## Description

Ultra Purge™ 5000 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™ 5000 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

Amorphous polymers

PA

## Product

++

+

## Polymers and blends

PET

Styrenics (PS, SAN, HIPS...)

TPU

## Product

++

+

+

## Application

Ultra Purge™ 5000 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™ 5000 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™ 5000 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™ 5000 by contacting your nearest sales office or local distributor.

### LEGAL NOTICE

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# LIGHTING

With specifically formulated Ultra Purge™ grades like Lusin® Clean 1010 and Lusin® Clean 1500, colour changes and restarts will be faster and easier.

Ultra Purge™ C6090 is a unique product that can manage high-to-low temperature transitions that are exceptionally challenging when switching from PC to PMMA.

## LEARN MORE ABOUT ULTRA PURGE™ C6090

It's one product that allows for a smooth transition between PC and PMMA.

### FLYER ULTRA PURGE™ C6090

#### RECYCABILITY

In cooperation with Fraunhofer IVV, tests regarding the recyclability of Ultra Purge™ purging compound were carried out. The recycled residues consisted of purging compound and two different polymers, compatible as well as incompatible. With additions of up to 5% recycled purging compound, the impact on physical and chemical properties of the resulting recycled material were insignificant in these tests. 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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# LUSIN® CLEAN 1010

Ready-To-Use Purging Compound



## Description

Lusin® Clean 1010 is a ready-to-use purging compound that is suitable for use in injection moulding machines. The product's active ingredients are highly efficient cleaning additives.

## Benefits

- Especially suitable for PMMA
- No smell
- Economical
- No generation of milky traces

## Typical Properties

Appearance: Yellowish granules

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



## Polymers and blends

PMMA

## Product

++

## Application

Lusin® Clean 1010 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.

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.

Lusin® Clean 1010 can be used at processing temperature up to 300°C / 572°F.

Request your **customized instructions on how to use** Lusin® Clean 1010 by contacting your nearest sales office or local distributor.

Interiors &  
Exteriors

Lighting

Lusin®

Videos

### LEGAL NOTICE

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# LUSIN® CLEAN 1500

## Purging Concentrate



Interiors &amp; Exteriors

Lighting

Lusin®

Videos

### Description

Lusin® Clean 1500 is a concentrated purging compound that needs to be mixed with polymer that is suitable for use in injection moulding machines. The product's active ingredients are highly efficient cleaning additives.

### Benefits

- Especially suitable for PC
- Easy to use
- Economical
- Wide range of applications
- No generation of milky traces

### Typical Properties

Appearance: Yellowish granules

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



### Polymers and blends

Polymers and blends	Product
PC	++
Amorphous polymers	+

### Application

Before usage, mix 25 (%) Lusin® Clean 1500 with 75 (%) unfilled virgin Polymer. Lusin® Clean 1500 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.

The product is suitable for colour and material change as well as for removal of black specs.

Lusin® Clean 1500 can be used at processing temperature from 250°C / 482°F to 350°C / 662°F.

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

#### LEGAL NOTICE

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# ULTRA PURGE™ C6090

## Purging Concentrate



Interiors &amp; Exteriors

Lighting

Lusin®

Videos

### Description

Ultra Purge™ C6090 is a concentrated purging compound that needs to be mixed with polymer. It is suitable for use in injection moulding machines and extrusion lines.

### Benefits

- Rapid cleaning effect
- High efficiency
- Especially suitable for PC
- Especially suitable for PMMA
- No generation of milky traces

### Typical Properties

Appearance: Beige granules

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



Mechanical                      Hybrid                      Chemical

### Polymers and blends

Polymers and blends	Product
Amorphous polymers	++
PC	++
PMMA	++

### Application

Before usage, mix up to 50(%) by weight with unfilled virgin polymer. Ultra Purge™ C6090 is especially recommended for use in material changes from PC to PMMA.

The Purging Concentrate can be used for the cleaning of screw, barrel and nozzle, of injection molding machines and extrusion lines. It is suitable for the cleaning of hot-runner of injection moulding machines.

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™ C6090 can be used at processing temperature up to 290°C / 554°F.

Request your **customized instructions on how to use** Ultra Purge™ C6090 by contacting your nearest sales office or local distributor.

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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

#### 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).

### READ OUR CASE STUDY

Lusin® MC1718 eliminates buildup in injection moulding.

CASE STUDY



**Chem Trend**  
Release Innovation™

### LUSIN® RANGE OF PRODUCTS

**MOULD MAINTENANCE**

- Cleaners & Degreasers
- Mould Protectants (Anticorrosion)
- Lubricants

**RELEASE AGENTS**

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Interiors &  
Exteriors

Lighting

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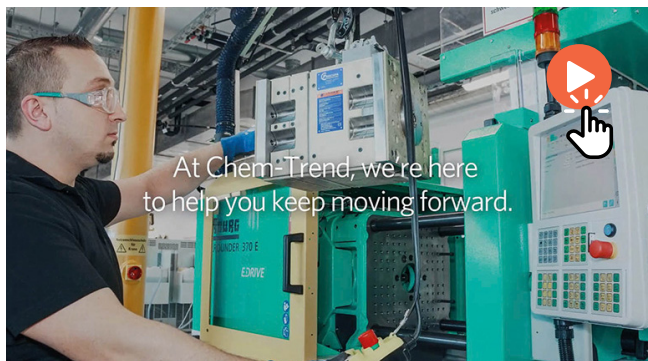
Videos

# VIDEOS

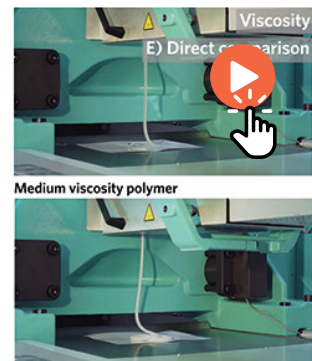
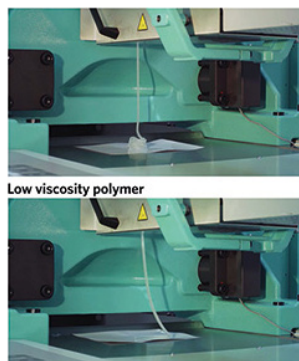
Education & Application

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

Interiors &  
Exteriors

Lighting

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Videos

# CATALOGUES

Purge Compounds per Application

## CATALOGUE FOOD & HEALTHCARE



## CATALOGUE TECHNICAL COMPONENTS



## CATALOGUE EXTRUSION APPLICATIONS



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





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