



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 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.



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

FREE SAMPLE

Pipes & Profiles		3
Ultra Purge™ 3615	No-residue solution	4
Ultra Purge™ 1220	Removes contamination	5
Blow molded containers		6
Ultra Purge™ 1320	Removes contamination	7
Sheet & Film		8
Ultra Purge™ 1789	On-the-fly cleaning	9
Ultra Purge™ PO-C	For stops & restarts	10
Lusin®	Maintenance & Release Agents	11
Video	Educational & Application	12
Other Purge Compound Catalogues	Food & Healthcare Automotive Technical Components Special Applications	13



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, 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™ 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

Product

++

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.

Pipes &
Profiles

Blow Moulded
Containers

Sheet &
Film

Lusint®

Videos

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	Product
Crystalline polymers	++
PA	++

Polymers and blends

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

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.



BLOW MOULDED CONTAINERS

Blow moulding has it's own set of challenges.
Ultra Purge™ 1320 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

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™ 1320

Ready-To-Use Purging Compound

Description

Ultra Purge™ 1320 is a ready-to-use purging compound with Ultra-X™ technology 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™ 1320 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 : 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

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

Polymers and blends

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

Application

Ultra Purge™ 1320 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.

The product can be used for the cleaning of screw, barrel and head of blow moulding lines with and without accumulator head.

It is especially recommended for colour change as well as for the removal of black specs.

Superior results are obtained when periodic cleaning is performed.

Ultra Purge™ 1320 can be used at processing temperatures 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.



SHEETS & FILM

Blown or cast film is a high throughput process. With Ultra Purge™ 1789 and 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, 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™ 1789

Ready-To-Use Purging Compound

Description

Ultra Purge™ 1789 is a ready-to-use purging compound that is suitable for use in injection moulding machines and extrusion lines.

All components of the formulation of Ultra Purge™ 1789 are in compliance with US-American legislation for food contact materials (21 CFR) and EU Regulation No 10/2011.

Benefits

- Especially suitable for EVA
- No rupture of the bubble in blown film applications
- Rapid cleaning effect
- Easy to use
- Economical

Typical Properties

Appearance: Translucent white and beige granules

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



Polymers and blends	Product
Polyolefins	++
TPE	+

Polymers and blends

Polymers and blends	Product
PVC (soft)	++
EVA	++

Application

Ultra Purge™ 1789 can be used for the cleaning of screw, barrel and head of blown film lines.

The product 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.

Can be used also as a freezing agent for shut down procedures.

Ultra Purge™ 1789 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™ 1789 can be used at processing temperature from 100°C / 212°F to 270°C / 482°F.

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

Ultra Purge™ 1789 by contacting your nearest sales office or local distributor.

Pipes &
Profiles

Blow Moulded
Containers

Sheet &
Film

Lusint®

Videos

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-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	Product
Crystalline polymers	++
Polyolefins	++

Polymers and blends

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

Lusint®

Videos

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.

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.



READ OUR CASE STUDY

Lusin® MC1718 eliminates buildup in injection moulding.

CASE STUDY

VIDEOS

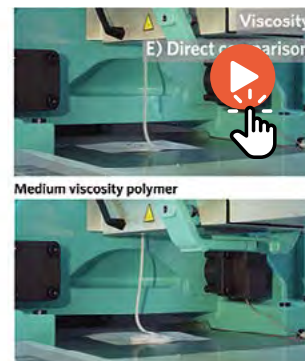
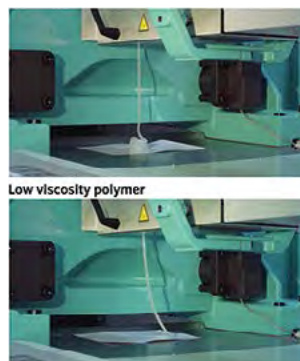
Education & Application

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.

Pipes &
Profiles

Blow Moulded
Containers

Sheet &
Film

Lusim®

Videos

CATALOGUES

Purge Compounds per Application

CATALOGUE AUTOMOTIVE



CATALOGUE TECHNICAL COMPONENTS



CATALOGUE FOOD & HEALTHCARE



CATALOGUE SPECIAL APPLICATIONS



Pipes &
Profiles

Blow Moulded
Containers

Sheet &
Film

Lusin®

Videos

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.



Your notes

[illegible]



Your notes

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



Release Innovation™

Chem-Trend (Deutschland) GmbH
European Headquarters
Ganghoferstr. 47
82216 Maisach Gernlinden (close Munich)
Germany
[service\(at\)chemtrend.de](mailto:service(at)chemtrend.de)
DE.CHEMTREND.COM