



Release Innovation™

ULTRA PURGE™ PURGING COMPOUNDS TECHNICAL COMPONENTS

Issue: August 2023

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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.



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

FREE SAMPLE

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RUBBERISED GRIPS TPE

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.

LUSIN® CLEAN 1020

Ready-To-Use Purging Compound



Description

Lusin® Clean 1020 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 dedicated for efficient cleaning of injection moulding machines processing TPE & TPU
- Economical
- No smell

Typical Properties

Appearance: Yellowish granules

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



Polymers and blends	Suitability
Polyolefins	+
TPE	++
TPU	++

Application

Lusin® Clean 1020 can be used for the cleaning of screw, barrel and nozzle of injection moulding machines. It is also suitable for the cleaning of hot-runners of injection moulding machines.

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

Superior results are obtained when periodic cleaning is performed.

Lusin® Clean 1020 can be used at processing temperature up to 280°C / 536°F.

Request your **customized instructions on how to use** Lusin® Clean 1020 by contacting your nearest sales office or local distributor.

Rubberized
Grips / TPE

High Performance
Polymers

TPU
Components

Household
Appliances

Lusin®

Videos

LEGAL NOTICE

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HIGH PERFORMANCE POLYMERS

High temperature resins that operate as high as 400°C/752°F, are known to be difficult to remove from the machine and degrade very quickly.

Ultra Purge HT+ is specifically formulated to help during material changes and carbon removal.

Lusin® Clean G 410 has the flexibility to transition from a high temperature resin to a resin with working temperature as low as 250°C / 482°F.

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™ HT+

Ready-To-Use Purging Compound

Description

Ultra Purge™ HT+ is a ready-to-use glass-filled purging compound that is suitable for use in injection moulding machines and extrusion lines. The product's active ingredients are highly efficient cleaning additives.

Benefits

- Rapid cleaning effect
- Easy to use
- High efficiency
- Suitable for high temperature applications

Typical Properties

Appearance: Yellowish granules

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



Polymers and blends

High Temperature Thermoplastics (PEEK, PPS, PSU...)

Suitability

++

Application

Ultra Purge™ HT+ can be used for the cleaning of screw, barrel and nozzle of injection moulding machines and extrusion lines.

Ultra Purge™ HT+ is especially recommended for colour or material change as well as for the removal of black specks.

Superior results are obtained when periodic cleaning is performed.

Ultra Purge™ HT+ can be used at processing temperature from 250°C / 482°F to 400°C / 752°F.

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

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

Rubberized
Grips / TPE

High Performance
Polymers

TPU
Components

Household
Appliances

Lusin®

Videos

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LUSIN® CLEAN G 410

Ready-To-Use Purging Compound



Description

Lusin® Clean G 410 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

- Suitable for high temperature applications
- Economical
- High efficiency

Typical Properties

Appearance: Grey to white granules

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



Mechanical

Hybrid

Chemical

Polymers and blends

High Temperature Thermoplastics (e.g. PEEK, PPS, PSU)

Suitability

++

Application

Lusin® Clean G 410 can be used for the cleaning of screw, barrel and nozzle of injection moulding machines. The product is also suitable for the cleaning of hot-runners of injection moulding machines.

Lusin® Clean G 410 is suitable for colour and material change as well as for removal of black specks.

Superior results are obtained when periodic cleaning is performed.

Lusin® Clean G 410 can be used at processing temperature up to 410°C / 770°F.

Request your **customized instructions on how to use** Lusin® Clean G 410 by contacting your nearest sales office or local distributor.

Rubberized
Grips / TPE

High Performance
Polymers

TPU
Components

Household
Appliances

Lusin®

Videos

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TPU COMPONENTS

Ultra Purge™ MEC-2 features unique contamination removal properties that scrub degraded TPU from the screw and barrel.

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™ MEC2

Ready-To-Use Purging Compound

Description

Ultra Purge™ MEC2 is a ready-to-use glass-filled purging compound that is suitable for use in injection moulding machines and extrusion lines. The product's active ingredients are highly efficient cleaning additives.

Benefits

- Rapid cleaning effect
- Easy to use
- High efficiency
- Especially suitable for TPU

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	Suitability
Amorphous polymers	+
PA	+
Styrenics	+
TPU	++

Application

Ultra Purge™ MEC2 can be used for the cleaning of screw, barrel and nozzle of injection moulding machines and extrusion lines. It is especially recommended for colour or material change as well as for the removal of black specks.

Superior results are obtained when periodic cleaning is performed.

Ultra Purge™ MEC2 can be used at processing temperature from 190°C / 374°F to 350°C / 662°F.

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

Ultra Purge™ MEC2 by contacting your nearest sales office or local distributor.

Rubberized
Grips / TPE

High Performance
Polymers

TPU
Components

Household
Appliances

Lusin®

Videos

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HOUSEHOLD APPLIANCES

When it comes to white-goods or transparent components Ultra Purge™ 5000 is the universal solution that gets your process flowing.

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™ 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

Suitability

++

Polymers and blends

PA

PET

Styrenics

TPE

TPU

Suitability

+

++

+

+

+

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-runners of injection moulding machines.

Ultra Purge™ 5000 is suitable for colour and material change as well as for removal of black specks.

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.

Rubberized
Grips / TPE

High Performance
Polymers

TPU
Components

Household
Appliances

Lusin®

Videos

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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

Rubberized
Grips / TPE

High Performance
Polymers

TPU
Components

Household
Appliances

Lusin®

Videos

VIDEOS

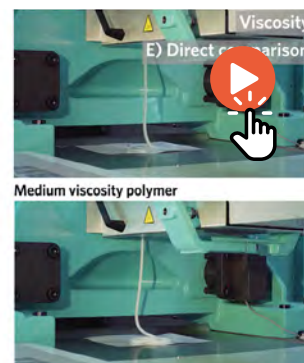
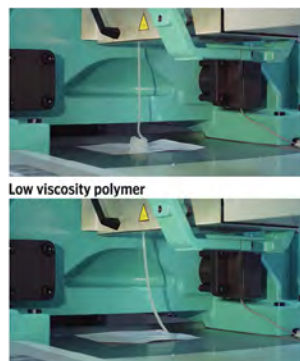
Education & Application

EDUCATIONAL VIDEOS

Why Purge Compounds?

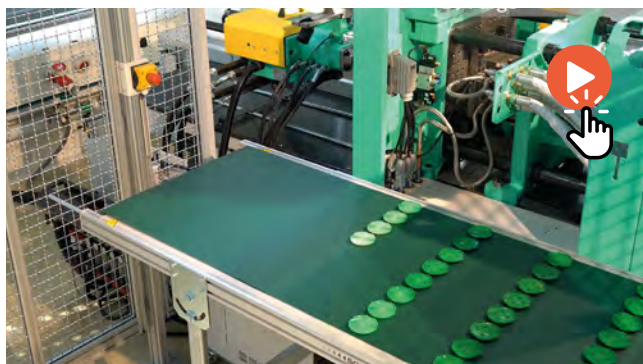


Viscosity / Melt Flow Index



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.

Rubberized
Grips / TPE

High Performance
Polymers

TPU
Components

Household
Appliances

Lusin®

Videos

CATALOGUES

Purge Compounds per Application



CATALOGUE AUTOMOTIVE



CATALOGUE FOOD & HEALTHCARE



CATALOGUE EXTRUSION APPLICATIONS



CATALOGUE SPECIAL APPLICATIONS



Rubberized
Grips / TPE

High Performance
Polymers

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Household
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Lusin®

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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.

Your notes

This image shows a single 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 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