



Release Innovation™

A close-up photograph of a grey plastic component, likely a manifold or connector, with several ports and a blue component visible on the left side.

ULTRA PURGE™
PURGING COMPOUNDS
SPECIAL
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

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SCREW REMOVING

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

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.

Screw Moving

Conductive
PolymersTransparent
Copolyester

Lusir®

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.



CONDUCTIVE POLYMERS

Dealing with high amounts of carbon filler has it's problems. Ultra Purge™ 8516 was designed to purge such applications.

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™.

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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.

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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, 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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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

Amorphous polymers

PA

Product

++

+

Polymers and blends

PET

Styrenics (PS, SAN, HIPS...)

TPE

TPU

Product

++

+

+

+

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.

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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.



Screw Moving

Conductive
PolymersTransparent
Copolyester

Lusin®

Videos

READ OUR CASE STUDY

Lusin® MC1718 eliminates buildup in injection moulding.

CASE STUDY

VIDEOS

Education & Application

EDUCATIONAL VIDEOS

Why Purge Compounds?



APPLICATION VIDEOS

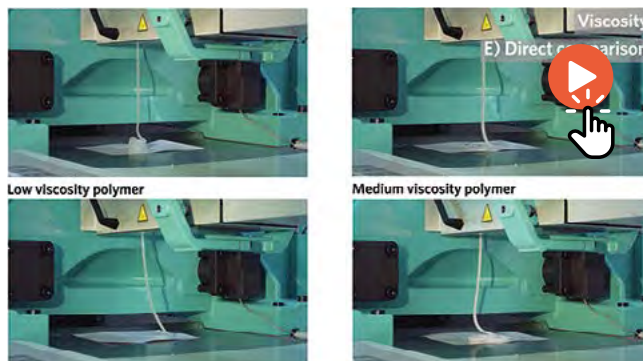
Purging via part production



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.

Viscosity / Melt Flow Index



Screw Moving

Conductive
Polymers

Transparent
Copolyester

Lusitr[®]

Videos

CATALOGUES

Purge Compounds per Application

CATALOGUE AUTOMOTIVE



CATALOGUE EXTRUSION APPLICATIONS



CATALOGUE TECHNICAL COMPONENTS



CATALOGUE FOOD & HEALTHCARE



Screw Moving

Conductive
PolymersTransparent
Copolyester

Lusitr®

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.



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