



Release Innovation™

ULTRA PURGE™ PURGING COMPOUNDS AUTOMOTIVE



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

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

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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

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ULTRA PURGE™ C6090

Purging Concentrate



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.



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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Release Innovation™

ULTRA PURGE™
PURGING COMPOUNDS
EXTRUSION
APPLICATIONS



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™.

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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

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

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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

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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.

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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

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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

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.

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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

Styrenics (PS, SAN, HIPS...)

TPE

Product

+

+

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

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Release Innovation™

A clear plastic jar with a teal lid is shown on the left side of the image, partially cut off by the edge. The jar is empty and the lid is slightly ajar.

ULTRA PURGE™
PURGING COMPOUNDS
FOOD &
HEALTHCARE
PACKAGING



CAPS & CLOSURES

Colour changes on high cavitation tools often generate an excessive amount of scrap and downtime.

The technology in the globally food approved Ultra Purge™ PO grade will allow injection moulders to safely clean their machines while moulding parts.

The hybrid action of Ultra Purge™ 1220 will enhance the removal of black specs from the screw and hot-runners.

Ultra Purge™ 1230 with it's new technology is the perfect balance between purging performance and mouldability.

READ OUR LATEST NEWS

Chem-Trend & Husky create a simple and effective colour change feature for Altanium® mould controllers.

SIMPLE COLOUR CHANGE

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

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ULTRA PURGE™ 1220

Ready-To-Use Purging Compound

Description

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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

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.

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PREFORMS STANDARD & MULTILAYER

If black specs are causing downtime, Ultra Purge™ 5000 will help you remove the contamination with it's hybrid technology.

For multilayer preform hot-runner systems there is the excellent Ultra Purge™ 5100 that is able to remove degraded barrier polymer with direct or indirect purging techniques.

Ultra Purge™ PET-E is designed to safely purge the injection unit and the hot-runners in injection moulding machines making PET preforms. The option to purge the hot-runners with the mould open or closed make the Ultra Purge™ PET-E a flexible solution to clean your machine.

READ OUR LATEST INNOVATION

Chem-Trend showcases a preform coating system (PCS) for improved handling of PET preforms.

PCS

RECYCABILITY

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ULTRA PURGE™ PET-E

Ready-To-Use Purging Compound



Description

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

Benefits

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

Typical Properties

Appearance: Transparent granules mixed with grayish - brown tablets.

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



Polymers and blends

PET

Product

++

Application

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

Ultra Purge™ PET-E 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 190°C / 374°F to 320°C / 608°F.

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

Ultra Purge™ PET-E by contacting your nearest sales office or local distributor.

Caps
Closures

Preforms

Blown &
Cast FilmThin Wall
Stack Mould

Cosmetic

Blow
Moulding

Lusin®

Videos

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BLOWN & CAST FILM

Ultra Purge™ 1789 is a ready-to-use grade, while Ultra Purge™ PO-C is a concentrated chemical grade. Both are engineered to purge extrusion blow film machines.

Ultra Purge™ 1789 behaves similarly to the production material and allows to purging of single layer lines without interrupting the production flow.

The bubble liner will remain intact when purging multilayer film lines with the Ultra Purge™ PO-C.

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

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ULTRA PURGE™ 1789

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Description

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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.

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

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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

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.

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THIN WALL CONTAINERS

Ultra Purge™ 1001 is a ready-to-use grade engineered specifically to be moulded in stack moulds and thin wall applications.

READ OUR CASE STUDY

A clear view on easy changeover and colour changes in thin wall packaging.

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

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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

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

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Release Innovation™

ULTRA PURGE™
PURGING COMPOUNDS
SPECIAL
APPLICATIONS



SCREW REMOVING

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

RECYCABILITY

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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

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
Polymers

Transparent
Copolyester

Lusin®

Videos

LEGAL NOTICE

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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™.

REGIONAL AVAILABILITY

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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	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.

Screw Moving

Conductive
Polymers

Transparent
Copolyester

Lusint®

Videos

LEGAL NOTICE

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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

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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	Product
Amorphous polymers	++
PA	+

Polymers and blends

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

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Release Innovation™

ULTRA PURGE™
PURGING COMPOUNDS
TECHNICAL
COMPONENTS



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, 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

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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
- Wide range of applications
- Suitable for high temperature applications

Typical Properties

Appearance: Yellowish granules



Polymers and blends

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

Product

++

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 specs.

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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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, 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

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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



Mechanical Hybrid Chemical

Polymers and blends	Product
Amorphous polymers	+
PA	+
Styrenics (PS,SAN,HIPS...)	+
TPU	++

Application

Ultra Purge™ MEC2 can be used for the cleaning of screw, barrel and nozzle of injection moulding machines and extrusion lines.

Ultra Purge™ MEC2 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™ 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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