Chem Trend

PURGING COMPOUND PRODUCTS

PURGING COMPOUNDS IMPROVE PRODUCTIVITY AND EFFICIENCY

More efficiently swapping color or material has long been the benefit to companies that incorporate purging compounds in their thermoplastic processing operations.

Lusin® Purging Compounds Optimize Thermoplastic Processing

While Lusin® purging compounds are widely used for color and material changes, manufacturers have realized other key benefits:

- Non-abrasive actions keep equipment running efficiently and extend life
- Thorough removal of contamination and color for less scrap and cleaner equipment
- Safe to use throughout the entire process, including on downstream equipment such as hot runners, where most contamination settles
- Designed to run within your established production parameters, eliminating downtime to change equipment settings
- Sustainable, environmentally conscious technology

TAILORED SOLUTIONS FOR YOUR SPECIALIZED APPLICATIONS

To ensure the most effective removal of contaminants, color or material, Lusin® purging compounds are developed for specific polymer types, processes, equipment and operating temperatures.

Polymers:

- Polyolefins (PP, PE, TPO and others)
- High-temperature resins (PEEK, PSU and others)
- Engineered resins (ABS, HIPS, PS, PA and others)

Processes:

- Injection molding
- Blow molding
- Extrusion (film, sheet, profile, pipe, wire and cable)
- Compounding

NSF®

Lusin® brand purging compounds from Chem-Trend offer more than just a quick, clean color or material change. Most of our purge products are NSF-registered for applications with strict hygiene requirements.

Lusin® Purging Compounds Deliver Significant Bottom-Line Benefits

The use of Lusin® purge compounds increases overall efficiency and lowers costs by reducing downtime between color and/or material changeovers, extending the life of your equipment and reducing scrap.

Lusin®

PURGING AGENTS

Product	Supply form	Injection molding	Blow molding	Extrusion (film)	Extrusion (sheet, profile, pipe, wire & cable)	Compounding	Pass filter	Hot runner suitable	NSF registered	Polyolefins	PS	SAN, ABS, ASA	PVC	PTFE, PVDF	PMMA	POM	PA6, PA66, PA610, PA11, PA12	PC, PC/ABS	PET, PBT	PPO, PEEK, PPS, PES, PSU, LCP	CA, CAB, CP	TPU, TPE	Temperature range > 300 °C/572 °F	Temperature range 180-300 °C/356-572 °F	Temperature range 120-250 °C/248-482 °F
Lusin® Clean 1010	Granulates	●			●		●	●		◑					●									●	
Lusin® Clean 1020	Granulates	●			●		●	●	●	◑												●		●	◑
Lusin® Clean G 320	Granulates	●				◑	●	●	●	◑	●	●	◑	●	◑	●	●	○	●		◑	◑	○	●	
Lusin® Clean G 315	Granulates	●			●	○	●	●	●	●		○		○	◑		●	◑				◑	○	●	
Lusin® Clean OH 311	Granulates	●			●	●	●	●		◑	○	○	●		◑	◑	●			◑			○	●	◑
Lusin® Clean OH 251	Granulates	●			●	●				●	◑		●			◑	◑				◑				◑
Lusin® Clean G 410	Granulates	●				○	●	●	●											●			●		
Lusin® Clean 1500[1]	Granulates	●				●	●	●							○		◑	●	◑				◑	●	
Lusin® Clean G 295 C[2]	Granulates	●					●	●	●	●	◑	●												●	
Lusin® Clean G 300	Granulates	◑	●		●		●	●	●		●	●	●		◑	●	●	◑	●	●				●	
Lusin® Clean G 301	Granulates	◑	●		●		●	●	●	●														●	
Lusin® Clean LD 250	Granulates	◑*		●	◑		●	●	●	●			●				◑								●

In case of material change from A to B purge with Lusin® purging compound suitable for A
1 concentrate (25% Lusin® Clean 1500 / 75% virgin resin)
2 concentrate (30% Lusin® Clean G 295 C / 70% virgin resin)
* Caps and Closure

● highly recommended ◑ recommended ○ suitable

NOTES: Not all products are available in all regions of the world.
Due to occasional changes in offerings, product specifications may vary. Please consult with your local representative to assure the most up-to-date information.

FIRST IN PURGING COMPOUND TECHNOLOGY

Lusin® has been a leader in the thermoplastics industry for more than 60 years. It introduced one of the first purging compounds and continues to make significant advancements in developing aids for thermoplastic processing. Lusin® purging compounds are engineered to optimize Chem-Trend's expertise in release technology. Our purging compounds break the molecular bonds of color and contaminants from metal parts, as opposed to mechanical actions such as scrubbing or scraping that can damage equipment.

USE LUSIN® PURGING COMPOUNDS WHEN:

- Changing color
- Changing material
- Starting up or shutting down machines to help remove black spots and burnt materials
- Performing routine and preventative maintenance

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