

Solutions for Thermoplastics Processors

To Help You Go Green Without Seeing Red



a brand of
FREUDENBERG

 **Chem
Trend**
Release Innovation™

We release innovation.

At Chem-Trend, we are a solutions provider, helping manufacturers realize their potential.

Your goals, your challenges, and your possibilities are the core of everything we do. Through collaboration and innovation, our on-site analysis and extensive research and development teams help you find competitive advantages through innovative and sustainable solutions.

We want to do more than elevate your process.

We want to help improve your entire business.



COMPLETE THERMOPLASTICS SOLUTIONS

The thermoplastics processing industry requires precision, efficiency, and consistency. At Chem-Trend, we help serve the thermoplastics sector by developing purging compounds and mould maintenance products to support customers in a variety of thermoplastics processes, like injection moulding, extrusion, and rotational moulding.

As thermoplastics processes and materials become more complex and cost pressures increase, the need for high-efficiency purging compounds and mould maintenance products becomes even more crucial. We can help solve common challenges in the thermoplastics manufacturing process, such as:

- Colour blurs
- Black spots/specks
- PET bottles sticking together
- High scrap rates
- Dirty moulds
- Corroded moulds

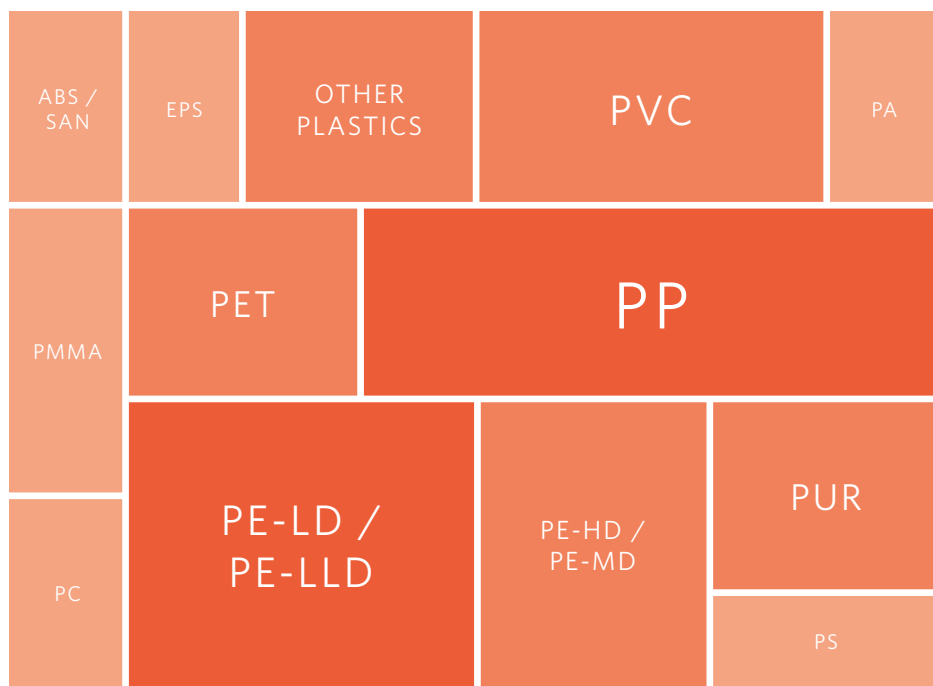


PURGING COMPOUNDS

Purge compounds are extremely important for modern thermoplastics processors, and the use of purging compounds that are designed for specific processes and parameters can provide a significant competitive advantage. Eliminating carbon buildup in screw and barrel assemblies, as well as hot runners, has a significant impact on processing efficiency, scrap rates, mould life, and equipment maintenance. Reductions in colour or polymer changeover times can significantly enhance operational margins by increasing equipment and labor uptime, allowing organizational assets to be more fully leveraged toward providing complete value to the manufacturing process.

Chem-Trend's **Ultra Purge™** brand of purge compounds covers a wide array of process applications, polymers, operating temperatures, and equipment types, thereby effectively decreasing scrap and cleaning times during colour changes and material changes.

Plastic Converter Demand
By Resin Type



PROCESSES WE SERVE

Injection Moulding & Hot Runners

PET Preforms

Extrusion Blow Moulding

Blown and Sheet Film

Masterbatch Compounding





LUSIN® MOULD MAINTENANCE PRODUCTS

Chem-Trend has developed a broad portfolio of **Lusin®** mould maintenance products for the thermoplastics industry. This portfolio is the result of nearly 70 years of Lusin® heritage, working directly with thermoplastics processors, understanding their challenges, and creating products that address their shop floor needs.

Our mould maintenance line encompasses:

- Cleaners (including Degreasers)
- Lubricants
- Protective Agents

LUSIN® ALRO MOULD RELEASE AGENTS

Optimization of cycle time, consistency of surface finish, and reduction of post-mould operations prior to painting or gluing are all important factors in thermoplastics processing operations. Chem-Trend understands these issues. With nearly 70 years of experience developing and manufacturing some of the highest-performing mould release agents around the world, for multiple industries and applications, we bring our experience, our foresight, and our hands-on approach to maximize your success. Our Lusin® Alro mould release products are proven, respected, and best in class.

FOOD APPLICATIONS AND SOLUTIONS

39.7% of all thermoplastic polymers processed in the European market are used in the packaging industry, most of which is used to contain food. Thanks to countless hours in research and development, Chem-Trend proudly offers a complete portfolio of food-compliant products, providing food-packaging customers with customizable options that will fit their unique needs. While the mould maintenance products for food applications have a NSF registration, the purging compounds are either GRAS or permitted for direct or indirect food contact according to the US Food and Drug Administration's 21 CFR regulations. They are also European Plastics Regulation-compliant (No 10/2011). Chem-Trend's product portfolio includes:

Release Agents

Purging Compounds, including those that satisfy a broad range of polymers and Melt Flow Indices (MFI)

Lubricants

Cleaners

Protectors

OUR SOLUTIONS ARE



**Highly Efficient
and Process Reliable**



**FDA and European
Union Compliant**

WE SUPPORT



High MFI
A polymer with low viscosity
(high fluidity)



Low MFI
A polymer with high viscosity
(low fluidity)

We're here to serve.

A TRUE PARTNER

In addition to our best-in-class products, we serve our customers by looking for every possible edge.

INCREASING EFFICIENCY.

We always seek out ways to make your current manufacturing facilities more efficient, and your entire process more productive.

REDUCING ERROR.

We want to be the smoothest part of your entire process. We look to help improve your products and reduce scrap rate.

IMPROVING SUSTAINABILITY.

Through the use of innovative materials and processes, we always look to improve your impact on the environment, minimize risks, and build a path to the future.

UNLEASHING VALUE.

Everything we do is aimed at providing value. Whether it's through efficiency, waste reduction, simplicity, or technology, we will help you get there.



