

# Asaclean™ High Performance Purging Compounds

Achieve Both Cost Reduction &  
Reduction of CO<sub>2</sub> Emissions

## Significant Reduction of Waste

### Definition

Previous resin:

Residue of polymer material on the screw in cylinder used in a previous production

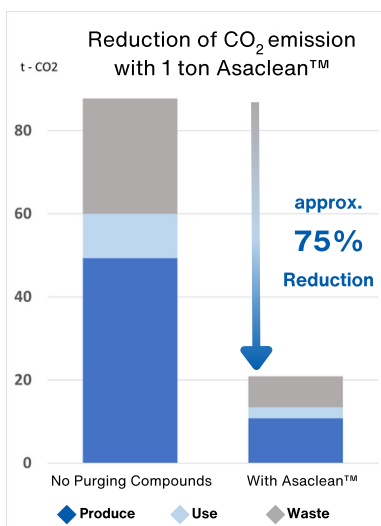
Next resin:

Polymer material used for the next production

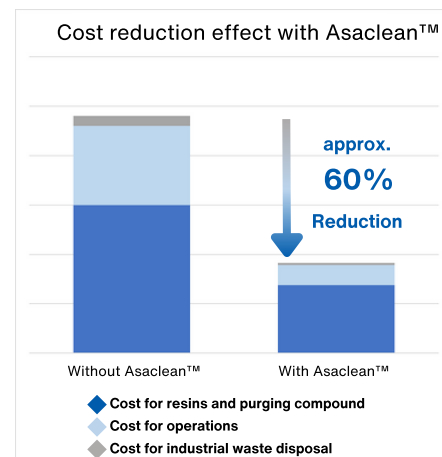
Total volume:

Waste of plastic volume to exchange previous resin to next resin completely

	Without Asaclean™	With Asaclean™
Total Volume	Next resin = 10tons	Asaclean (1.0) + next resin (1.5) = 2.5tons



\* The CO<sub>2</sub> reduction rate is calculated by MilCA and IDEA (LCA calculation software certified by the Japan Environmental Management Association). It is the difference between purging with or without ASACLEAN using the average value of the producing resin of Asaclean customers. (For your reference.)

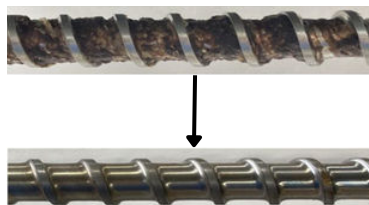


\* The case of 450-ton molding machine with 80 kW power use

## Why Asaclean™?

### Strong purging power

Designed for excellent compatibility with various resins and easy removal. In addition, the advanced proprietary compounding technology achieves high purging power to scrape off contaminations.



Carbonized resin generated by staying PA66-GF at 320°C for 90 minutes

The same screw completely clean after purging with Asaclean™

## Applications



Automotive



Medical



Packaging



Electronic

Creating for Tomorrow

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# New Universal Grade Asaclean™ GL3

Achieves Further Cost Reduction &  
Reduction of CO<sub>2</sub> Emissions

## What is Asaclean™ GL3?

We have further improved the GL2, the best-selling model in Europe, and developed the GL3.

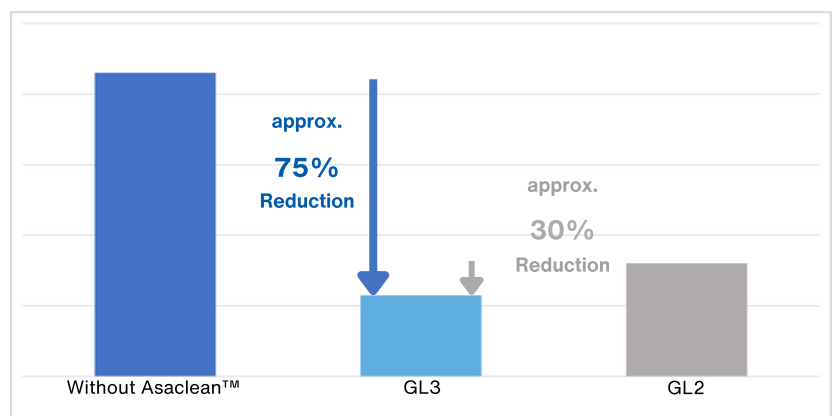
- Temperature Range: **180°C to 330°C**
- Applicant:
  - **Injection molding** - including hot runners
  - Extrusion - compounding profile
- Type of resin: **Most commodity and engineering resins** within the processing temperature range

- GL3 reduced resin and purging compound usage by approx. 75% from 'When purging compound is not used'
- GL3 reduced resin and purging compound usage by approx. 30% from GL2

→ Asaclean™ GL3  
achieves further cost  
reduction and reduction  
of CO<sub>2</sub> emission



Amount of resin and purging compound required to  
switch from ABS to PS



## Application Fields



Color Changeover



Material Changeover



Contamination Removal



Screw Pull