



FRESH START PURGING SOLUTIONS™

EASY COLOR CHANGES - SUPERIOR CLEAN



DEVELOPED BY POLYMER ENGINEERS
FOR POLYMER ENGINEERING APPLICATIONS

FRESH START PURGING SOLUTIONS™

WHEN YOU NEED MORE THAN JUST ANOTHER PURGING COMPOUND.

Fresh Start Purging Solutions™ are a patented, revolutionary, all-purpose purging compounds which are intended to cover the needs of the plastic processing industry. The **MC2-HH™ & GP-HH Hybrid** solutions are only two in a series of innovative and ground breaking purges designed for the removal of unwanted pigments, polymers and contaminants without leaving residue.



Both formulas have been engineered to pass through hot runner systems with a min .010 inch or 254µm (microns) to completely clean the entire flow path. No need for soak time or to increase the heat over your normal processing temperatures.

MC2-HH™ and GP-HH Hybrid formulas encompass many capabilities all in one formula vs other compounds that are engineered for only one issue or process type:

1. High Heat
2. Hot Runner Cleaning
3. Clear Applications
4. Process Type
5. Ext...

Why buy all these grades, manage inventory, and hope the correct grade is used for each application. **Stream line your processes and consolidate into one purge that will satisfy all your needs.**

	Grades	GP-HH Hybrid	MC2-HH™
Injection Molding	Hot Runner Systems	●	●
	Cold Runner / Conventional	●	●
Other Processes	Blow Molding	●	●
	Compounding	●	●
Extrusion	Blown Film	●	●
	Cast Film	●	●
	Sheet	●	●
	Profile	●	●
Processing Temperatures	Low (°F)	350	350
	High (°F)	625	625
	Low (°C)	177	177
	High (°C)	329	329

WEEKENDER FEATURE

MC2-HH™ allows the purge to sit in the barrel over a shut-down period without degrading and seals the screw and barrel from moisture. This feature allows for easy start-ups by simply adding your process resin to the hopper and start running production parts.

HOT FEATURE!

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MC2-HH™ & GP-HH HYBRID FORMULATIONS

MC2-HH™ MC2-HH™ is a proprietary solution for mechanical purge applications where hybrid / chemical purges are not preferred.

- Engineered thermoplastic purging solutions, formulated for the effective removal of resins, pigments and contaminants
- Designed for quick color changes
- Specifically formulated for cleaning manifolds, hot runners and other channels with tight clearance
- Safe, non-abrasive, non-hazardous purging solution developed around Generally Recognized As Safe (GRAS) ingredients under FDA 21 CFR
- Formulated for ease of use with no purging solution residue

ITEM NUMBER	DESCRIPTION
MC2A55	MC2-A PE BASED 55LBS - MECHANICAL
MC2A1320	MC2-A PE BASED 1320LBS - MECHANICAL

DIFFERENTIATORS

1

The flexibility of Fresh Start Purging Compounds allows users to replace a number of formulas/grades typically used for a specific application. **This feature could reduce inventory, purchasing costs, and accidental miss use.**

2

Unlike other purging compounds, Fresh Start Purging Compounds require **zero soak time for the chemical reactions to take place.** Other purging formula brands require the temp to be raised to get the best performance out of the purge. Fresh Start MC2-HH™ and GP-HH Hybrid do not require or suggest raising the barrel temps.

GP-HH HYBRID

GP-HH Hybrid is a patent pending mechanical/chemical purging solution designed for the superior removal of the most difficult engineering resins from plastics processing equipment.

- Engineered thermoplastic purging solutions, formulated for the effective removal of even the most difficult resins, pigments and contaminants
- Designed for ease of use with no purging solution residue
- Ideal for quick color changeovers, particular liquid pigment dispersions and dyes
- Safe, non-abrasive, non-hazardous purging solution developed around Generally Recognized As Safe (GRAS) ingredients under FDA 21 CFR
- Not recommended for POM resins

ITEM NUMBER	DESCRIPTION
GPA55	GP-A PE BASED 55LBS - HYBRID CHEMICAL/MECHANICAL
GPA1320	GP-A PE BASED 1320LBS - HYBRID CHEMICAL/MECHANICAL

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APPLICATION & SPECIFICATIONS



APPLICATIONS:	Injection- cold and hot runners, blow molding Extrusion- profile, sheet, cast film, compounding, blow film
Temperature Range:	350° F - 625° F (177° C - 329° C)
Types of Resins:	All types
Minimum Clearance:	.010 inch or 254µm (microns)
Amount of Purge	Generally requiring 1 to 3 times the barrel capacity depending on the machine condition
Shelf-life	For best results use within 12 months. The purging compounds have been adjusted to address the challenge of exposure to moisture. (Keep bag sealed for maximum shelf life.)

MACHINE CLAMPING FORCE	Suggested Purge Quantity Guideline	
	Initial Purge	Regular Use
100 ton machine	5 pounds	1.5 pounds
200 ton machine	7.5 pounds	2.5 pounds
300 ton machine	10 pounds	4 pounds
400 ton machine	15 pounds	5.5 pounds
500 ton machine	18 pounds	6.5 pounds
600 ton machine	20 pounds	8 pounds
700 ton machine	25 pounds	9.5 pounds
800 ton machine	28 pounds	10.5 pounds
900 ton machine	32 pounds	12 pounds
1000 ton machine	35 pounds	13.5 pounds
1500 ton machine	40 pounds	20 pounds
2000 ton machine	45 pounds	26 pounds
2500 ton machine	50 pounds	33 pounds
3000 ton machine	65 pounds	40 pounds

PROCESS		Grades	
		GP-HH Hybrid	MC2-HH™
Injection Molding	Hot Runner Systems	•	•
	Cold Runner/Conventional	•	•
Other Processes	Blow Molding	•	•
	Compounding	•	•
Extrusion	Blown Film	•	•
	Cast Film	•	•
	Sheet	•	•
	Profile	•	•
Processing Temperature	Low (°F)	350	350
	High (°F)	625	625
	Low (°C)	177	177
	High (°C)	329	329

Suggested Purge Quantity is a guideline for purging the barrel and screw only. Purging through the manifold/mold may require an additional 30 – 50% of the suggested amounts

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