



## Product Information Sheet

### FRESH START PURGING SOLUTION® GP-Hybrid

Fresh Start Purging Solution® GP-Hybrid is a patented, revolutionary, all-purpose purging compound which is intended to cover the needs of the plastic industry.

Fresh Start Purging Solution® GP-Hybrid is one in a series of innovative and groundbreaking purges designed for the removal of unwanted pigments, polymers and contaminants without leaving residue. Fresh Start Purging Solution® GP-Hybrid is a mechanical/chemical purging solution which addresses those applications which require this type of purging compound.

<b>Applications:</b>	<b>Injection:</b> Hot and Cold Runners / Blow Molding <b>Extrusion:</b> Profile / Sheet/ Cast Film/ Compounding / Blow Film
<b>Process Temperature Range:</b>	350°F – 625°F (177°C – 329°C)
<b>Resin Types:</b>	<b>All types</b>
<b>Minimum Clearance:</b>	0.010 inch or 254µm (microns)
<b>Amount of Purge:</b>	Generally requiring 1 to 3 times the barrel capacity depending on the machines condition

Samples are available for evaluation

Fresh Start Purging Solution® series of compounds are produced in Ohio USA and Ontario Canada.

Fresh Start Purging Solution® is a registered trademark of Fresh Start Polymer Solutions Inc.

Important! The information presented herein, while not guaranteed, was prepared by competent technical personnel and is true to the best of our knowledge. NO WARRANTY OR GUARANTY, EXPRESS OR IMPLIED, IS MADE REGARDING PERFORMANCE, SUITABILITY OR OTHERWISE. This information is not intended to be all-inclusive as to the manner and conditions of use, handling or storage. Other factors may involve other or additional safety or performance considerations. While our technical personnel can respond to questions regarding safe handling and use procedures, safe handling and use remains the responsibility of the customer. No suggestions for use are intended as, and nothing herein shall be construed as, a recommendation to infringe any existing patents or to violate any Federal, State or local laws.



# INJECTION MOLDING PROCEDURE

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### FRESH START GP-HYBRID PURGE PROCEDURE FOR INJECTION MOLDING

1. Please ensure that the **SDS** and Product information sheets are read and understood. **Always** wear safety protection when running machines with purging compounds as per your workplace safety of your company.
2. Ensure that the barrel is empty of material to be changed before introducing purge.
3. Pour purge into hopper. For the first time use, use approx. 2 to 3 times barrel capacity. After this use only what is required for normal use.
4. Rotate the screw ensuring that the back pressure is high enough to keep the screw forward, until material comes out of the nozzle. This will ensure that the heat is evenly distributed at the back end of the screw. The amount of time the purge needs to activate properly is 90 seconds from the time it hits the screw to the time it leaves the nozzle. If the time is less than this leave the material in the barrel until 90 seconds elapses.
5. This purge is also safe to purge through the mixers as well as the forming die (if applicable). It is also recommended as this will help rid of contamination
6. When you have added the last of the purge and you see the screw in the throat of the machine, simply introduce the next material to be used into the screw and start to purge it out. Run next material.
7. Please note that this material is not designed to remain in the barrel. If you are not running and just shutting down then put enough P/P in the barrel to clear out the purge.

**Note: This material requires special instructions for use with Acetal materials. Before the purge comes in contact with the Acetal you must first use Polypropylene then Fresh Start GP then Polypropylene so that the purge is clear from the barrel.**

Samples are available for evaluation

Fresh Start Purging Solution<sup>®</sup> series of compounds are available from either one of two manufacturing facilities located in Ohio USA and Ontario Canada.

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Date Generate: 2017-09-15

Date Revised: 2017-09-15

Revise # 1