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|  | **PRODUCT INFORMATION SHEET** |
| 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 SolutionGP-Hybrid™ is a mechanical/chemical purging solution which addresses those applications which require this type of purging compound.

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| **Applications:** | **Injection**: Hot and Cold Runners / Blow Molding**Extrusion**: Profile / Sheet / Cast Film / Compounding / Blow Film |
| **Process Temperature Range:** | 350oF – 625oF (177oC – 329oC) |
| **Resin Types:** | **All types - except acetals (Delrin™, POM) refer to note below\*** |
| **Minimum Clearance:** | 0.010 inch or 254µm (microns) |
| **Amount of Purge:** | 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 trademark of Fresh Start Polymer Solutions Inc.

Derlin™ is a trademark E.I. du Pont de Nemours

**\*Note: Acetal materials are not compatible with Fresh Start Purging Solution GP-Hybrid™. Fresh Start Purging Solution MC-2™ is recommended for this purpose.**

*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.*

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|  | **PROCEDURE FOR EXTRUSION** |
| 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.  |

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 the workplace safety of your company.

1. Ensure that the barrel is empty of material to be changed before introducing purge.
2. Pour purge into hopper. For first time use, use approx. 2 to 3 times barrel capacity. After this, use only what is required for normal use. Typically, one barrel full suffices.
3. Minimum residence time is 90 seconds for Fresh Start Purging Solution GP-Hybrid™to activate properly in the extruder. Slower screw speeds maybe required. Continue to advance the screw, until material comes out of the nozzle is clean.
4. This purge is also safe to purge through gear pumps, as well as the forming die (if applicable). In these scenarios, the use of additional purging compound maybe required.
5. Once the last of the purge has been added, and the screw is visible in the throat of the machine, simply introduce the next material to be used into the barrel. Continue to run that material through the system until the purging compound is completely gone and the next material is coming out clean. At this point, the machine is ready to run the next material
6. Please note that Fresh Start Purging Solution GP-Hybrid™ is not designed to remain in the barrel. If you are not running, and just shutting down, clear the purge compound from the extruder and fill the screw and barrel with enough Polypropylene or Fresh Start Purging Solution Weekender™ to create an air tight plug.

**Note: Acetal materials are not compatible with Fresh Start Purging Solution GP-Hybrid™. Don’t mix Acetal and Fresh Start Purging Solutions in an extruder. Fresh Start Purging Solution MC-2™ is recommended for this purpose.**

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