

## PRODUCT INFORMATION

Purgex™ 456 Plus Commercial Purging Compound is a ready-to-use blend consisting of active ingredients with a polyethylene carrier. Purgex™ products have mechanical activity for efficient cleaning, foaming action for enhanced mixing and a lubricant for easy removal. Purgex™ thoroughly and safely cleans injection molding machines and hot runner systems. All active ingredients in Purgex™ are Generally Recognized As Safe (GRAS) by the US FDA.

### Physical Description:

- Blend, polyethylene, and an FDA-approved active component
- Non-toxic, non-abrasive, and safe
- Ready to use and easy to remove

|                                    |  |   |  |   |
|------------------------------------|--|---|--|---|
| <b>Process:</b>                    | <input checked="" type="checkbox"/> Injection Molding  | <input checked="" type="checkbox"/> Injection Blow Molding  | <input checked="" type="checkbox"/> Extrusion-Blow Molding | <input checked="" type="checkbox"/> Extrusion-Profile |
|                                    | <input type="checkbox"/> Extrusion-Compounding   | <input checked="" type="checkbox"/> Extrusion-Sheet   | <input type="checkbox"/> Blown Film                        |   |
| <b>Works Best on These Resins:</b> | <input checked="" type="checkbox"/> PP-Copolymer<br><input checked="" type="checkbox"/> HDPE           | <input checked="" type="checkbox"/> PP-Homopolymer  | <input checked="" type="checkbox"/> PVC-Flexible           | <input checked="" type="checkbox"/> LDPE              |
| <b>Also Useful for:</b>            | <input checked="" type="checkbox"/> TPEs<br><input checked="" type="checkbox"/> TPOs                   | <input checked="" type="checkbox"/> PVC-Rigid<br><input checked="" type="checkbox"/> Many other resins processed in this temperature range. | <input checked="" type="checkbox"/> Startup                | <input checked="" type="checkbox"/> Shutdown          |
| <b>Amount Needed:</b>              | 1 to 1.5 times barrel capacity, depending on condition of machine/tool and colorant/ additive loading. |   |  |   |
| <b>Temperature Range:</b>          | 380°F to 550°F (193°C to 288°C)  |   |  |   |
| <b>Recommended for:</b>            | <input checked="" type="checkbox"/> Hot Runners  | <input checked="" type="checkbox"/> Mixing Nozzles  | <input checked="" type="checkbox"/> Check Valves           | <input type="checkbox"/> Accumulators                 |
|                                    | <input checked="" type="checkbox"/> Cold Runners   | <input checked="" type="checkbox"/> Extrusion Dies  | <input checked="" type="checkbox"/> Melt Pumps             |   |

### Features & Benefits:

- ✓ General purpose purging compound for color and/or material changes plus efficient cleaning of hot runner systems, Purgex™ 456 Plus has proven to be versatile and effective on a wide range of resins.
- ✓ Engineered for rapid turnaround on color and material changes. Efficiently removes residual contamination.
- ✓ Effectively cleans the barrel, screw, check ring, as well as hot runner systems and is safely processed through hot runner gates as small as .030-inch (0.75mm).
- ✓ Thorough cleaning of melt pumps and is safely processed through dies as small as .030-inch (0.75mm).
- ✓ Active components in Purgex™ 456 Plus neutralize acid gases generated by PVC.
- ✓ With regular use, Purgex™ forms a temporary barrier which protects steel surfaces from oxidation, extending the cleaning process.