

## PRODUCT INFORMATION

Purgex™ 457 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, viscosity modifier 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 checked="" 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"/> ABS	<input checked="" type="checkbox"/> HDPE	<input checked="" type="checkbox"/> PVC-Rigid	<input checked="" type="checkbox"/> PU
	<input checked="" type="checkbox"/> PP-Copolymer	<input checked="" type="checkbox"/> PP-Homopolymer	<input checked="" type="checkbox"/> PMMA	
<b>Also Useful for:</b>	<input checked="" type="checkbox"/> Nylon	<input checked="" type="checkbox"/> PC/ABS	<input checked="" type="checkbox"/> Startup	<input checked="" type="checkbox"/> Shutdown
	<input checked="" type="checkbox"/> PE	<input checked="" type="checkbox"/> PVC-Flexible	<input checked="" type="checkbox"/> TPOs	<input checked="" type="checkbox"/> LDPE
	<input checked="" type="checkbox"/> TPEs	<input checked="" type="checkbox"/> PBT	<input checked="" type="checkbox"/> PET	
	<input checked="" type="checkbox"/> Many other resins processed in this temperature range.			
<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 checked="" type="checkbox"/> Accumulators
	<input checked="" type="checkbox"/> Cold Runners	<input checked="" type="checkbox"/> Extrusion Dies	<input checked="" type="checkbox"/> Melt Pumps	

### Features & Benefits:

- ✓ Created for more challenging color and/or material changes plus efficient cleaning of hot runner systems, Purgex™ 457 Plus has proven to perform particularly well in removing low- to mid-range mineral- and glass-filled 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™ 457 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.

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