

Purgex™ 457 Plus

Polyethylene

Neutrex, Inc.

Message:

Blend, polyethylene, 3% glass, and an FDA-approved active component

Non-toxic, non-abrasive, and safe

Ready to use and easy to remove

Temperature Range:

Operating temperature range of 300°F to 550°F (149°C to 288°C)

Applications:

PURGEX 457 Plus is used for color and/or material changes and the removal of residual contamination in thermoplastic injection molding, extrusion, or blow molding equipment.

PURGEX 457 Plus will efficiently purge the barrel, screw, and nozzle, as well as hot runner systems, removing all types of colorants and commodity resins, including polypropylene, polyethylene, and their copolymers, particularly if they contain glass or fillers.

PURGEX 457 Plus assures rapid turnaround on color and material changes with polyolefins and their copolymers, styrenics polymers, acetals, vinyls, TPO, TPU, and many other resins processed in this temperature range. PURGEX 457 Plus can also be used on PVC purging applications and will neutralize HCl gasses.

| General Information | |
|---------------------|-------------------|
| Uses | Cleaning compound |
| Processing Method | Extrusion |
| | Injection molding |

| Injection instructions |
|---------------------------------------------------------------------------------------------|
| Empty barrel of production resin. |
| Add PURGEX 457 Plus to the hopper (a minimum of 1.5 times the injection capacity). |
| Purge the barrel until PURGEX exits the nozzle. |
| Soak five minutes at processing temperature with barrel full and screw in forward position. |
| Purge barrel to empty. |
| Follow with next production resin, rinsing PURGEX from machine. Resume molding. |

| Extrusion instructions |
|----------------------------------------------------------------------------------------------------------------------|
| Empty extruder. |
| Remove screen. |
| Seal vent. |
| Fill extruder with PURGEX 457 Plus. |
| Make certain extruder is full and PURGEX is exiting the nozzle as a foaming material. |
| Soak five minutes at processing temperature. |
| Add the next resin to be extruded and remove all PURGEX from the extruder. |
| When it appears that PURGEX has been completely removed, replace the screen, open the vent, and commence production. |

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