PURGEX™ 456 PLUS

Purging Compounds

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.

Physical Description:

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

Processes	Injection Molding; Injection Blow Molding; Extrusion blow molding; Profile extrusion; Sheet extrusion; Extrusion compounding
Listed resins	PE, PP-Copolymer, Flexible PVC*, TPEs, TPOs, HDPE, LDPE, PMMA, POM, PP-Homopolymer, Rigid PVC, SAN, PS, LLDPE
Amount needed	1 to 1.5 times barrel capacity, depending on condition of machine/tool and colorant/additive loading.
Temperature range	380-550°F (193-288°C)
Equipment cleaned	Cold Runners, Hot Runners, Check Valves, Mixing Nozzles, Accumulators, Melt Pumps, Extrusion Dies

*Flexible PVC: over 370°F and within the stated grade range. Coverage: Product Selection Guide Matrix, Rev. H, version supplied Nov. 11, 2026. Table aligned Nov. 11, 2026; original sheet revision retained below.

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).

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