RapidPurge®

I. Product Description

RapidPurge PM Series is a heavy duty thermoplastic purging compound used on Injection Molding, Extrusion, and Blow Molding machines to address high degradation, difficult color changeover, and/or challenging material changes.

Our proprietary formula includes chemical and mechanical properties for high performance cleaning. The chemical agents of the purge formula break down the molecular structure and viscosity of the resident resin. The mechanical agents of the purge formula offer scrubbing and soft polishing of the machinery's base metal. Heat activated foaming additives expand the purge into negative flow areas.

II. Features & Benefits

High performance chemical formulation - Designed for challenging purging applications.
Non-abrasive mechanical additives - Enhance scrubbing and soft polishing of machines base metal.
Equipment - Can be used in all plastic processing equipment; Hot Runner safe; can go through downstream equipment out to open die; RapidPurge is inert to metal.
Pre-mix – "Ready to Use" pre-mixed grades can be used right from the container - No mixing necessary.
Pellet Form - Easy feed and handling.
Shelf life - Indefinite in sealed container.
Shut-down/Start-up - Excellent shut-down properties. Residual purge left in the machine with heats turned off will not burn during cool down and/or heat up providing efficient start-ups.
Maximum Results - For highly demanding applications such as carbon buildup, temperatures can be raised to maximum safe level of the resident resin being purged.

III. Physical Properties

Processing Temperature	English	Metric
PM9240	380F-570F	193C-300C
PM5540	450F-725F	232C-385C
PM8240	350F-450F	177C-232C

Descriptive Properties

Minimum Orifice	.008 inches	.203 mm
Minerals	Ground to 45 microns / 325 mesh	
Screen Packs	Recommend removal to prevent blockage of degraded materials.	
Vented Barrels	Capped	

Restrictions

If purging PVC, Thermoplastic Elastomers, Acetyls, or Acetate, pre-flush system with natural PE/PP prior to purging.