



Technical Data Sheet

I. Product Description

RapidPurge RE Series is a thermoplastic purging compound used on Injection Molding, Extrusion, and Blow Molding machines to address degradation, color changeovers, and/or material changeovers. This series was specifically designed for medical and food purging applications, utilizing FDA/GRAS materials.

The chemical/mechanical **RE Grades** are thermally activated purges with a softening chemistry to soften polymer structure and lower viscosity of resident resin to a fluid state. The mechanical agents of the purge formula offer scrubbing and soft polishing of the machinery's base metal.

II. Features & Benefits

High performance chemical formulation – Comprised of FDA/GRAS ingredients.

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 and 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; can be hopper loaded.

Shelf life - Indefinite in sealed container.

Temperature – Can be run through the machine at operating temperatures. Minimal fumes omitted during the purge process.

Shut-down/Start-up - Loaded with antioxidants and stabilizers offering excellent shutdown properties. Residual purge left in the machine with heats turned off will not burn during cool down or heat up, providing efficient start-ups.

III. Physical Properties

Processing Temperature	English	Metric
RE9240	360F-565F	182C-296C
RE5540	450F-700F	232C-371C
RE8240	325F-450F	163C-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.	

*Custom Blends - contact Technical Support Department for Processing Temperature range

