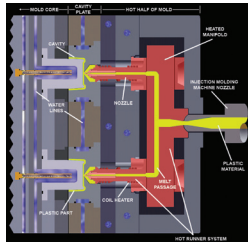


Anatomy Of A Purge

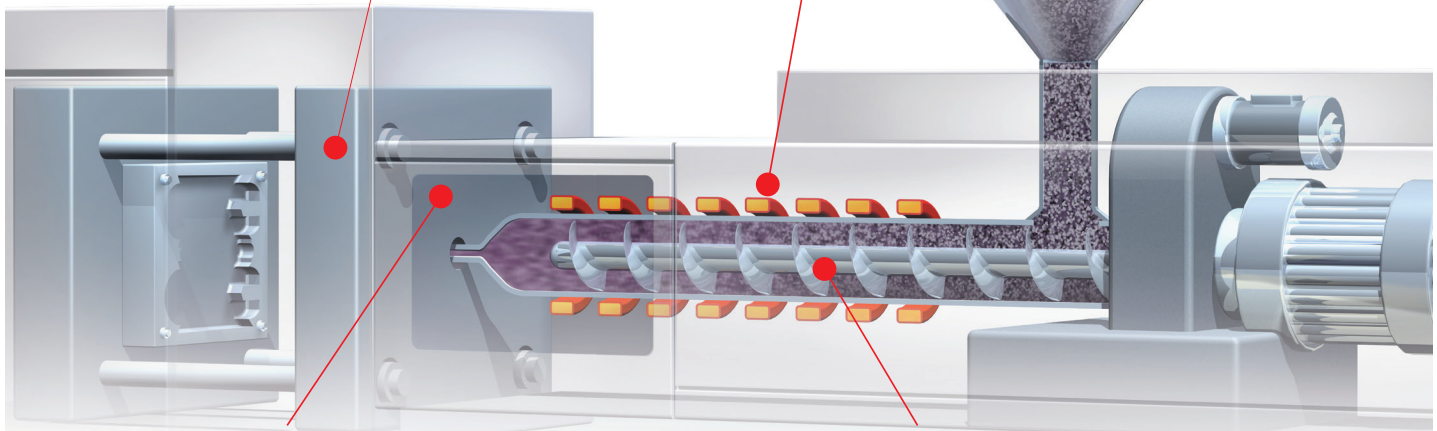


Hot runners heat the resin to the specified flow melt temperature so resin properly fills the mold cavity and leaves no voids. Hot runners need to be cleared of old resin before starting a new molding process.

Screw rotates and pushes resin through barrel. Over time resin "bakes on" the screw and can flake off during molding. Molder also needs to periodically change to different resin or different color. Solution: A purging compound removes old resin in a fraction of the time, eliminating baked-on resin so it doesn't flake off and create issues with part quality.



Hopper feeds resin to barrel.



Resin exits nozzle and is injected into mold. During a purge the nozzle is pulled back and resin is pushed out. Once the new resin comes out without any specks or streaking, the molding machine is put back into service.

Heater bands cover barrel to melt plastic resin. Resin will bake onto the barrel and bits of old resin will flake off, which will impact quality. Over time resin "bakes on" barrel and screw.

Solution: Some molders will use a cheap resin to push out old resin, which takes time and material. A purging compound can be more effective, shrinking purge times to minutes. It will also reduce how often the screw assembly needs to be pulled and completely cleaned.

*A Slide Products Purge Engineer is available to help you select the best product and purging procedure for each of your applications.

Purging Solutions From Slide Products*



P.D.Q.

Available in pour bottle and convenient single packets, P.D.Q. purges quickly, easily and safely, and at a fraction of the cost of conventional purges for injection, extrusion or blow molding.

It is effective for resin-to-resin and color-to-color changes. It requires no soaking, maximizing production.



PURGE-ATORY

Recommended for use with gas emitting resins, such as Delrin & Acetal, it works at temperatures from 370° - 610°F. Formulated with a SAN resin carrier, Purge-Atory is safe to purge right through the mold, saving time, material and money. All ingredients are GRAS rated so it is safe to use for food packaging applications. Use for injection molding, extrusion and blow molding.



KLENZ

With operating temperatures of 330° - 610°F, KLENZ thoroughly cleanses hot runners and the barrel, helping to eliminate color streaking and black specs. Formulated with a polyolefin resin carrier, KLENZ purging compound is safe to purge right through the mold, saving time, material and money. All ingredients are GRAS rated so it is safe to use for food packaging applications.



NPT

Operating at temperatures 160° - 600°F, it removes all barrel residue in any processing application in less time and for less cost.

N.P.T. reacts chemically to heat, quickly cleaning without extra soak time or downtime. Resin deposits accumulated over long periods are often removed the first time N.P.T. is used. Do not use with Acetal or Delrin®.

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