Concentrated Purging Compound

Get Smart About Purging

"When your equipment is down, your business is down"

What is a purging compound?
A purging compound is a plastic resin compound designed to clean all primary plastic machinery (injection molding, blow molding, extrusion) when changing color, resin or simply to remove black specks or contamination.

Changing color in an injection molding, blow molding or extrusion machine can be very difficult and time consuming if a purging compound is not used. Processors that do not use a purging compound when changing colors usually use regrind plastic in its place. This practice does not clean the machine but simply pushes the color out of the barrel. Initially it will appear that the molded part is clean but in the event that the machine is stopped for any reason, the previous color will re-appear when production begins again. To clean a 500-ton machine in this manner can take 45 minutes to over 2 hours depending on the color and type of plastic resin in use. Some cases can even require machine shutdown, disassembly, and cleaning with a wire brush resulting in even more lost time and production. Save yourself the time, money and headache by purging your machines at shutdown and changeover with Tec-Purge.

Save Money, Save Time with Tec-Purge
Tec-Purge purging compound removes all traces of barrel residue in any plastics processing application without the extra soak time (only 60 to 90 seconds), downtime or lost productivity. The most effective purging technology developed in decades, Tec-Purge utilizes a completely new reactive chemistry eliminating the need for multiple purging products. Processors will only have to store and use one purging product instead of several, dramatically reducing overhead and operating costs. Tec-Purge is also very easy to remove from the machine only taking 3 shots to completely flush.

How Does Tec-Purge Work?
Tec-Purge consists of concentrated purge pellets that react chemically to heat, to quickly and effectively clean machinery without having to remove any compononents. The purge is so effective that even deposits accumulated over long periods of time are often removed with the first use. Have peace of mind knowing that your equipment is perfectly clean and that no other contaminants will appear in future production.

ADVANTAGES:
- One product for ALL of your purging needs
- Wide temperature range of 200° - 700°F
- FDA compliant
- Effective with most resins
- Used with all plastic manufacturing processes
- Replaces acrylic as a purge at a fraction of the resin volume
- No smoke or smell
- Contains a heat-released visual aid that tells you that it has worked

APPLICATIONS:
- Injection Molding
- Blow Molding
- Extrusion
- Co-extrusion

PART NO.	DESCRIPTION	PRICE/BAG
TECPURGE-55	Tec-Purge concentrated purging compound - 55lb bag	Call for Pricing 800-627-1033

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Tec-Purge Procedure for Plastics Molding Applications

1. Ensure that the barrel is empty of material to be changed before indroducing purge.

2. See formula at the bottom of this page to determine how much Tec-Purge to use. Pour purge into hopper.

3. Rotate the screw ensuring that the back pressure is high enough to keep the screw forward, until material comes out of the nozzle. This will ensure that the heat is evenly distributed at the back end of the screw. The amount of time the purge needs to activate properly is 90 seconds from the time it hits the screw to the time it leaves the nozzle. If the time is less than this leave the material in the barrel until 90 seconds elapses.

4. This purge is also safe to purge through some larger manifolds on the tools. It is also recommended as this will help rid of contamination in the manifold.

5. If the purge that is coming out of the nozzle is brownish in color, then the purge is doing its job. If the material is blackish in color, then it has sat in the barrel too long and will not clean properly. You will need to complete the procedure again. At no time will the purge become white in colour. This is normal.

6. Repeat the extruder run until no more purge comes out of the nozzle or manifold. At this point simply introduce the next material to be used into the screw and start to purge it out. Run next material.

Special Instructions for use with Acytel materials

Before the purge comes in contact with the Acytel you must first use Polypropylene then Tec-Purge then Polypropylene so that the purge is clear from the barrel.

Determining How Much Tec-Purge to Use

For First Time Use

$$\frac{\left(\textit{Machine Tonnage} \times 8\right)}{454} = \text{Lbs. of Tec-Purge}$$

For Regular Use

$$\frac{\left(\textit{Machine Tonnage} \times 6\right)}{454} = \text{Lbs. of Tec-Purge}$$

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