



Navigation



Extrusion 1-0-Wiki Pages

- [Main Page](#)
- [Best Papers](#)
- [Book Reviews](#)
- [Consultants Corner](#)
- [Extruder Software](#)
- [Extrusion Hints](#)
- [Safety](#)
- [Shop Tools](#)
- [Sponsors](#)
- [Technical Articles](#)

Search the Wiki

  »

Viewing/Creating

- [Random Page](#)
- [Create a new Page](#)
- [All Pages](#)
- [Categories](#)

Account Management

- [Login/Logout](#)
- [Language Selection](#)
- [Your Profile](#)
- [Create Account](#)

Administration


- [Administration](#)
- [File Management](#)

Brought to you by:

The SPE Extrusion Division
Board of Directors



Tech Tips

Modified on Thursday, 26 February 2015 03:44 PM by [mpieler](#) Categorized as [Extrusion Hints](#) 
(10) » [Adhesion in Extrusion Coating](#) » [Adjustable Pressure Valve](#) » **Tech Tips**

Tech Tips


Vol. 31 #2, Fall 2004

When polymers enter the feed section of a screw they are typically 40-50% air by volume. As the screw moves the polymer forward and compacts it into a solid all of that air must exit back through the hopper. There are a number of hopper mounted devices such as blenders, gravimetric feeders, driers, compact hoppers, etc. which can prevent the free flow of air out of the system.

When trapped air is encountered in the extrudate always make sure that there is an adequate exit route for the air before looking into screw design or other more complicated issues.

– Jim Frankland Milacron, Inc.

Return to [Extrusion Hints](#)

Some of the icons were created by [FamFamFam](#) .